

Printing date 04/21/2015

Version US-EN-Rev 1

Reviewed on 04/17/2015

- · Product identifier
- · Trade name: NATURE-CRYL HI-20ET (Liquid)

 Relevant identified uses of the substance or mixture and uses advised against Dental material

The product is intended for professional use.

To avoid risks for humans and environment obtain instructions.

- · Application of the substance / the mixture Manufacture of dental prothesis
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

GC America Inc. 3737 W. 127th Street Alsip, IL 60803 USA

sds@gcamerica.com

· Information department: Regulatory Affairs

Emergency telephone number:

During normal opening times (Mon.-Fri. 8:00 AM-5:00 PM CST): +1 (708) 597-0900 Transportation (CHEMTREC®) Emergency Telephone No. +1 (800) 424-9300

2 Hazard(s) identification

Classification of the substance or mixture

Flam. Liq. 2 H225 Highly flammable liquid and vapor.

Acute Tox. 3 H301 Toxic if swallowed.

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

- Skin Corr. 1C H314 Causes severe skin burns and eye damage.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- STOT SE 3 H335 May cause respiratory irritation.

Eye Irrit. 2B H320 Causes eye irritation.

· Additional information:

The information provided is in regards to the toxicity and hazard rating(s) of the individual component(s) in the formulation. The associated risk(s) depends on the route(s) of exposure. The hazard rating system is based entirely on the existence of the risk(s) and does not take into account the likelihood of reduced risk(s) through proper usage and handling.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



(Contd. on page 2)

Printing date 04/21/2015

Version US-EN-Rev 1

Reviewed on 04/17/2015

Trade name: NATURE-CRYL HI-20ET (Liquid)

· Signal word Danger	f page 1)
· Hazard-determining components of labeling:	
methyl methacrylate (MMA)	
dimethacrylate**	
Hazard statements	
Highly flammable liquid and vapor.	
Toxic if swallowed.	
Causes severe skin burns and eye damage. Causes eye irritation.	
May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
May cause an allergic skin reaction.	
May cause respiratory irritation.	
Precautionary statements	
Keep away from heat/sparks/open flames/hot surfaces No smoking.	
Do not breathe dusts or mists.	
Wear protective gloves / eye protection / face protection.	
If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.	
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present ar	nd easy
to do. Continue rinsing.	ia cacy
Store locked up.	
Dispose of contents/container in accordance with local/regional/national/international regulations.	
Classification system:	
· NFPA ratings (scale 0 - 4)	
Health = 2	
Fire = 3	
2×2 Reactivity = 2	
HMIS-ratings (scale 0 - 4)	
HEALTH 2 Health = 2	
FIRE 3 Fire = 3	
REACTIVITY 2 Reactivity = 2	
· Other hazards	
· Results of PBT and vPvB assessment	
· PBT: Not applicable.	
• vPvB: Not applicable.	
3 Composition/information on ingredients	
· Chemical characterization: Mixtures	
 Description: Mixture of the substances listed below with nonhazardous additions. 	

· Danger	ous components:	
80-62-6	methyl methacrylate (MMA)	90-100%
	dimethacrylate**	1-5%
	activator**	< 0.5%
	(Cor	td. on page 3)
		U

Printing date 04/21/2015

Version US-EN-Rev 1

Reviewed on 04/17/2015

Trade name: NATURE-CRYL HI-20ET (Liquid)

· Additional information:

(Contd. of page 2)

If a substance is marked with **, then substance is a trade secret. This is allowed under OSHA's Hazard Communication Standard (HCS) as a trade secret and under GHS as Confidential Business Information (CBI).

4 First-aid measures

· Description of first aid measures

General information:

Immediately remove any clothing soiled by the product. If symptoms persist consult doctor.

After inhalation:

Supply fresh air; consult doctor in case of complaints. In case of unconsciousness place patient stably in side position for transportation. Do not use mouth to mouth or mouth to nose resuscitation.

• After skin contact: Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment.

• After eye contact: Protect unharmed eve.

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Do not induce vomiting; immediately call for medical help.

- Rinse out mouth and then drink plenty of water.
- · Information for doctor:

· Most important symptoms and effects, both acute and delayed Allergic reactions

• Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
- · For safety reasons unsuitable extinguishing agents: Water
- Special hazards arising from the substance or mixture In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

- Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.
- · Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Remove persons from danger area.

Keep away from ignition sources

Avoid contact with the eyes and skin.

Wear protective clothing.

(Contd. on page 4)

US

Printing date 04/21/2015

Version US-EN-Rev 1

Reviewed on 04/17/2015

Trade name: NATURE-CRYL HI-20ET (Liquid)

(Contd. of page 3) · Environmental precautions: Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil. Methods and material for containment and cleaning up: Ensure adequate ventilation. Absorb liquid components with liquid-binding material. Dispose of the collected material according to regulations. **Reference to other sections** See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. 7 Handling and storage · Handling: Precautions for safe handling Observe instructions for use. Ensure good ventilation/exhaustion at the workplace. Do not inhale dust / smoke / mist. Prevent formation of aerosols. Avoid contact with the eyes and skin. · Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Do not spray on a naked flame or any incandescent material. • Storage: · Requirements to be met by storerooms and receptacles: Store in a cool location. Store only in unopened original receptacles. · Information about storage in one common storage facility: Store away from foodstuffs. · Further information about storage conditions: Observe instructions for use / storage. Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight. Store in a cool place. • Specific end use(s) No further relevant information available. 8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

· Control parameters

· Components with limit values	that require monitoring at the workplace:

80-62-6 methyl methacrylate (MMA)

PEL Long-term value: 410 mg/m³, 100 ppm

REL Long-term value: 410 mg/m³, 100 ppm

TLV Short-term value: 410 mg/m³, 100 ppm Long-term value: 205 mg/m³, 50 ppm

(SEN) NIC-DSEN

(Contd. on page 5)

US

Printing date 04/21/2015

Version US-EN-Rev 1

Reviewed on 04/17/2015

Trade name: NATURE-CRYL HI-20ET (Liquid)

Add	(Contd. of page) Iitional information: The lists that were valid during the creation were used as basis.
·Exp	osure controls
-	sonal protective equipment:
	neral protective and hygienic measures:
	usual precautionary measures for handling chemicals should be followed.
	id contact with the eyes and skin.
Was	sh hands before breaks and at the end of work.
Kee	p away from foodstuffs, beverages and feed.
Imm	nediately remove all soiled and contaminated clothing.
Brea	athing equipment: Suitable respiratory protective device recommended.
	tection of hands: Protective gloves
	erial of gloves
qua sub:	e selection of the suitable gloves does not only depend on the material, but also on further marks lity and varies from manufacturer to manufacturer. As the product is a preparation of sever stances, the resistance of the glove material can not be calculated in advance and has therefore checked prior to the application.
· Pen	netration time of glove material
The	exact break through time has to be found out by the manufacturer of the protective gloves and h
	e observed.
· Eve	protection: Safety glasses

 Information on basic physical and General Information 	chemical properties
· Appearance:	
Form:	Liquid
Color:	Colorless
· Odor:	Sweetish
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	99 °C (210 °F)
· Flash point:	10 °C (50 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	Undetermined.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Heating may cause an explosion. Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.
· Explosion limits:	
Lower:	2.1 Vol %
Upper:	12.5 Vol %

Printing date 04/21/2015

Version US-EN-Rev 1

Reviewed on 04/17/2015

Trade name: NATURE-CRYL HI-20ET (Liquid)

		(Contd. of page
· Vapor pressure:	Not determined.	
· Density at 20 °C (68 °F):	0.939 g/cm³ (7.836 lbs/gal)	
Relative density	Not determined.	
Vapour density	Not determined.	
Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
Water:	Insoluble.	
Partition coefficient (n-octanol/wa	ater): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
Organic solvents:	0.0 %	
VOC content:	3.7 %	
Other information	No further relevant information available.	

10 Stability and reactivity

• **Reactivity** Danger of polymerization.

- · Chemical stability Stable at ambient temperature.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Spontaneous polymerization can be caused in unstabilized product e.g. by ambient heat. Danger of receptacles bursting because of high vapor pressure if heated. Exothermic polymerization.
- · Conditions to avoid Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Incompatible materials: Reacts with oxidizing agents. Reacts with reducing agents. Reacts with peroxides and other radical forming substances. Reacts with amines. Reacts with heavy metals.
 Hazardous decomposition products: Carbon monoxide
- Carbon dioxide

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- · LD/LC50 values that are relevant for classification: No further relevant information available.
- · Primary irritant effect:
- on the skin: Strong caustic effect on skin and mucous membranes.
- · on the eye:

Strong irritant with the danger of severe eye injury. Irritating effect.

(Contd. on page 7)

US

Printing date 04/21/2015

Version US-EN-Rev 1

Reviewed on 04/17/2015

Trade name: NATURE-CRYL HI-20ET (Liquid)

	(Contd. of page
· Sensitization:	
Sensitization possible through inhalation.	
Sensitization possible through skin contact.	
• Additional toxicological information:	annual coloriation matheda fo
The product shows the following dangers according to internally a preparations:	approved calculation methods it
Corrosive	
Irritant	
· Carcinogenic categories	
· IARC (International Agency for Research on Cancer)	
methyl methacrylate (MMA)	3
· NTP (National Toxicology Program)	
None of the ingredients is listed.	
· OSHA-Ca (Occupational Safety & Health Administration)	
None of the ingredients is listed.	
· Carcinogenic categories' legend:	
IARC Group 1: The agent is carcinogenic to humans.	
IARC Group 2A: The agent is probably carcinogenic to humans.	
IARC Group 2B: The agent is possibly carcinogenic to humans.	
IARC Group 3: The agent is not classifiable as to its carcinogenicity to	numans.
IARC Group 4: The agent is probably not carcinogenic to humans. NTP K: Known to be human carcinogen.	
NTP R: Reasonably anticipated to be human carcinogen.	
in the reasonably anticipated to be numan carcinogen.	

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes: Not known to be hazardous to water.
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 8)

Reviewed on 04/17/2015

Trade name: NATURE-CRYL HI-20ET (Liquid)

(Contd. of page 7)

• Uncleaned packagings:
 • Recommendation: Disposal must be made according to official regulations.

UN-Number	
DOT, ADR, IMDG, IATA	UN1247
UN proper shipping name	
DOT	Methyl methacrylate monomer, stabilized
ADR	1247 Methyl methacrylate monomer, stabilized
	METHYL METHACRYLATE MONOMER, STABILIZED
Transport hazard class(es)	
DOT	
Class	3 Flammable liquids
Label	3
ADR	
Class Label	3 (F1) Flammable liquids 3
IMDG, IATA	
Class	3 Flammable liquids
Label	3
Packing group DOT, ADR, IMDG, IATA	II
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids
Danger code (Kemler):	339
EMS Number:	F-E,S-D
Transport in bulk according to Annex	
MARPOL73/78 and the IBC Code	Not applicable.

Printing date 04/21/2015

Version US-EN-Rev 1

Printing date 04/21/2015

Version US-EN-Rev 1

Reviewed on 04/17/2015

Trade name: NATURE-CRYL HI-20ET (Liquid)

	(Contd. of page
· Transport/Additional information:	
· ADR	
 Excepted quantities (EQ) 	Code: E2
,	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
·IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN1247, Methyl methacrylate monomer, stabilized, 3, II

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture · SARA (Superfund Amendments and Reauthorization Act)

- · Section 355 (extremely hazardous substances):
- None of the ingredient is listed.
- Section 313 (Specific toxic chemical listings):
- methyl methacrylate (MMA)
- **TSCA (Toxic Substances Control Act):** All ingredients are listed.
- · Carcinogenic categories
- · EPA (Environmental Protection Agency)
- methyl methacrylate (MMA)

E, NL

A4

- TLV (Threshold Limit Value established by ACGIH)
- methyl methacrylate (MMA)
- · NIOSH-Ca (National Institute for Occupational Safety and Health)
- None of the ingredients is listed.
- · GHS label elements
- The product is classified and labeled according to the Globally Harmonized System (GHS).
- · Hazard pictograms



- · Signal word Danger
- Hazard-determining components of labeling: methyl methacrylate (MMA) dimethacrylate**
- Hazard statements Highly flammable liquid and vapor. Toxic if swallowed.

(Contd. on page 10)

Printing date 04/21/2015

Version US-EN-Rev 1

Reviewed on 04/17/2015

Trade name: NATURE-CRYL HI-20ET (Liquid)

(Contd. of page 9) Causes severe skin burns and eye damage. Causes eye irritation. May cause allergic or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause respiratory irritation. Proceutionary statements Keep away from heat/sparks/open flames/hot surfaces No smoking. Do not breathe dusts or mists. Wear protective gloves / eye protection / face protection. If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information • Department issuing SDS: Regulatory Affairs • Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com 9 Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Hamonized System of Classification and Labelling of Chemicals HGS: Hazard Communication Standard (USA) MSDS: Material Safety association MSDS: Material Safety association MSD: Material Safety Date Sheet SDD: Safety Data Sheet SDD: Safety Dat		
Causes eye irritation. May cause allergio or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause respiratory irritation. Precautionary statements Keep away from heat/sparks/open flames/hot surfaces No smoking. Do not breathe dusts or mists. Wear protective gloves / eye protection / face protection. If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. Chemical safety assessment : A Chemical Safety Assessment has not been carried out. 16 Other information • Department issuing SDS: Regulatory Affairs • Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com • Date of preparation / Jast revision 04/21/2015 / - • Abbreviations and acromyms: GHS: Clobally Hamonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet EOHA: European Chemicals Agency OSHA: Occupational Safety and Heatin Administration (USA) AXDB: Naterial Safety Data Sheet EOHA: European Chemicals Agency OSHA: Occupational Safety and Heatin Administration (USA) AXDB: Naterial Air Transport Association IATA: International Haritmecode of Dangerous Goods DOT: US Department Air Transport Association IATA: International Haritmecode (Davienmental Industrial Hygienists CAS: Chemical Abstrats Bervice (division of the American Chemical Society) NFA: Autor Department of Transport Association IATA: International Haritmapport Association IATA: Inte		(Contd. of page 9)
May cause an allergic skin reaction. May cause an allergic skin reaction. May cause respiratory irritation. • Precautionary statements Keep away from heat/sparks/open flames/hot surfaces No smoking. Do not breathe dusts or mists. Wear protective gloves / eye protection / face protection. If sonskin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Chemical safety assessment : A Chemical Safety Assessment has not been carried out. 16 Other information • Department issuing SDS : Regulatory Affairs • Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com • Date of preparation / last revision 04/21/2015 / - • Abbreviations and accomyse: • GHS: Globally Harmonized System of Classification and Labelling of Chemicals HGS: Hazard Communication Standard (USA) MSDS: Material Safety and Health Administration (USA) APR: Accord europhen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Bangerous Goods DOT: US Department of Transportation MCGH: American Conference of Governmental Industrial Hygienists CAS: Chemical Astrates Service (division of the American Chemical Society) MPA: Ancord europhen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods DOT: US Department of Transportation MCGH: American Conference of Governmental Industrial Hygienists CAS: Chemical Astrates Service (division of the American Chemical Society) MPA: Anten		
May cause an alfergic skin reaction. May cause respiratory initation. • Precautionary statements Keep away from heat/sparks/open flames/hot surfaces No smoking. Do not breathe dusts or mists. Wear protective gloves / eye protection / face protection. If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Chemical safety assessment : A Chemical Safety Assessment has not been carried out. 16 Other information • Department issuing SDS : Regulatory Affairs • Contact : Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com • Date of preparation / last revision 04/21/2015 / - • Abpreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS: Safety Data Sheet		
May cause respiratory initiation. • Precautionary statements Keep away from heal/sparks/open flames/hot surfaces No smoking. Do not breathe dusts or mists. Wear protective gloves / eye protection / face protection. If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information • Department issuing SDS: Regulatory Affairs • Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com • Date of preparation / last revision 04/21/2015 / - • Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS: Safety Data Sheet S		
 Pricautionary statements Keep away from heat/sparks/open flames/hot surfaces No smoking. Do not breathe dusts or mists. Wear protective gloves / eye protection / face protection. If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information Department issuing SDS: Regulatory Affairs Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acconyms: GHS: Globally Harmonicad System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SoD: Material Safety Data Sheet SoD: Safety Data Sheet SoD: Safety Data Sheet SoD: Safety Data Sheet SoD: Material Safety Data Sheet SoD: Material Safety Soft of Bongerous Goods DOT: US Department of Transport des marchandises dangreuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) MMDS: International Materia Safety Soft Soft Soft (USA) ACA: Accord européen Soft des marchandises Codes DOT: US Department of Transport desociation ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFA: National Fire Protection Association ACGIH: American Conference of Toxic VVX: very Persistent and very Bioaccumulative HTM: Hitterational Agency CS: Voci Natio Compounds (USA, EU) LCS: Lettal		
Keep away from heat/sparks/open flames/hot surfaces No smoking. Do not breathe dusts or mists. Wear protective gloves / eye protection / face protection. If swallowed: immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Chemical safety assessment : A Chemical Safety Assessment has not been carried out. • 16 Other information • Department issuing SDS : Regulatory Affairs • Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com • Date of preparation / last revision 04/21/2015 / - • Abbreviations and acronyms: • GHS: Rizard Communication Standard (USA) • MSDS: Material Safety Data Sheet • ECHA: European Chemicals Agency • OSHA: Occupational Safetw of Classification and Labelling of Chemicals • Hazerd Serie and Classification and Labelling of Chemicals • Hazerd Communication Standard (USA) • MSDS: Material Safety Data Sheet • ECHA: European Chemicals Agency • OSHA: Occupational Safety and Health Administration (USA) • OSHA: Occupational Safety and Health Administration (USA) • MDS: International Amringe Of Dangerous Goods by Road) • IMDS: International Amringe Of Consportation • ACCIH: American Conference of Governmental Industrial Hygienists • CAS: Occupational Safety and Health Administration (USA) • VOC: Volatile Organic Compounds (USA, EU) • VOC: Volatile O		
Do not breathe dusts or mists. Wear protective gloves / eye protection / face protection. If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information • Department issuing SDS: Regulatory Affairs • Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sde@gcamerica.com • Date of preparation / last revision 04/21/2015 / - • Abbreviations and acronyms: OHS: Globally Harmonicaed System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS: Safety Data Sheet SDS: Safety Data Sheet SDS: Safety Data Sheet CACidit: American Conference of Covernmental Industriation (USA) ACR: Accord europeen using the Hamport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods DOT: US Department of Transport descolation ACCidit: American Conference of Governmental Industrial Hygienists CAC: Hazardo Compania (USA) ACR: Accord europeen Association (USA) ACCidit: American Conference of Governmental Industrial Hygienists CAC: Hazardous Materials Identification (USA) VOC: Volatile Organic Compounds (USA, EU) LOS: Lethal dose, 50 percent DB: Department of Transport Association (USA) VOC: Volatile Compania (Service (Wisk), Hazard Category 1 CA: International Marris (Hazard Category 1 Skin Cort: 15: Sin consontinitation, Hazard Category 1 Skin Sens: 1: Sensitistion - Respirat, Hazard Category 1 Skin Sens: 1: Sensitistion - Respirate, Category 1 Skin Sens: 1: Sensitistion - Respirated (Season Category 1 Skin Sens: 1: S		
Wear protective gloves / eye protection / face protection. If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information • Department issuing SDS: Regulatory Affairs • Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com • Date of preparation / last revision 04/21/2015 / - • Abbreviations and acronyms: • GHS: Globally Harmonized System of Classification and Labelling of Chemicals HS: Harad Communication Standard (USA) MSDS: Material Safety Data Sheet • SS:	Keep away from heat/sparks/open flames/hot surfaces No smoking.	
If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information • Department issuing SDS: Regulatory Affairs • Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com • Date of preparation / last revision 04/21/2015 / - • Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS: Safety Data Sheet SDS: Safety Data Sheet SDS: Safety Data Sheet SDS: Safety Data Sheet SDA: Cord europeen sure transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods DOT: US Department of Transport Association ACCiH: American Conference of Governmental Industrial Hygienists CAS: Chemical Assterials Identification (USA) ACR: Accouncial Steries (Sivian of the American Chemical Society) MFA: International Marrias Identification (USA) ACR: Accouncial Conference of Governmental Industrial Hygienists CAS: Chemical Association (USA) VOC: Volatile Organic Compounds (USA, EU) LOS: Lethal dose, 50 percent DBD: Lethal concentralis Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LOS: Lethal dose, 50 percent DBD: Lethal concentralis Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LOS: Lethal dose, 50 percent DBD: Lethal concentralis Identification (System (USA) VOC: Volatile Organic Compounds (USA, EU) LOS: Lethal dose, 50 percent DBD: Lethal dose, 50 percent DBD: Lethal dose, 50 percent DBD: Lethal co	Do not breathe dusts or mists.	
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information • Department issuing SDS: Regulatory Affairs • Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com • Date of preparation / last revision 04/21/2015 / - • Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association IATA: International Air Transport Association IATA: International Air Transport Association IATA: International Air Transport Association IMTA: International Air Transport Association IMTA: International Air Transport Association IMTA: International So percent USS: Lethal donce; 50 percent HTPS: Hazardous Materials Ideutification System (USA) VOC: Vyelite Organic Compounds (USA, EU) LS9: Lethal donce; 50 percent HTPS: Tensitem; 1, Sacrat Category 2 Acute Tox, 3: Acute toxicity, Hazard Category 1 Skin Gens, 1: Sensitistion - Respire Personser, Hazard Category 2B Resp. Sens. 1: Sensitistion - Respire Respure, 4000000000	Wear protective gloves / eye protection / face protection.	
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. • Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information • Department issuing SDS: Regulatory Affairs • Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HGS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADP: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Martine Code for Dangerous Goods DOT: US Department of Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National File Protection Association IATA: International Air Transport Association IATA: International Air Transport Association IMIS: Hazardous Materials Safety Difference of Compounds (USA) HMIS: Hazardous Materials Identification System (USA) VO: Volatile Organic Compounds (USA) HMIS: Hazardous Materials Identification System (USA) VO: Volatile Organic Compounds (USA, EU) LGS0: Lethal dose, 50 percent HBT: Persistent, Bioaccumulative and Toxic VPB: versistent, Bioaccumulative and Toxic NPA: Atoxic toxicity, Hazard Categor	If swallowed: Immediately call a poison center/doctor.	
to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information Department issuing SDS: Regulatory Affairs Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADB: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport des marchandises dangereuses par Route (European Agreement concerning the International Astriates Service (division of the American Chemical Sciety) NFPA: National Fire Protection Association IATA: International Astritume Code for Dangerous Goods by Code Usational Fire Protection Association IATA: International Astritume Compounds (USA) USA: Chemical Abstracts Service (division of the American Chemical Society) NFPA: Hational Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VCC: Volatile Organic Compounds (USA, EU) LoSi: Lethal dose, 50 percent LoSi: Lethal dose, 50 percent LoSi: Lethal dose, 50 percent LoSi: Lethal dose, 50 percent HBT: Persistent, Bioaccumulative and Toxic VG: Way Persistent and very Bioaccumulative Firm. Loz: Sheerdic Toxicity, Hazard Category 1 Skin Gens. 1: Sensitistation - Respi	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with w	vater/shower.
Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information • Department issuing SDS: Regulatory Affairs • Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com • Date of preparation / last revision 04/21/2015 / - • Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HGS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS:	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses	, if present and easy
Dispose of contents/container in accordance with local/regional/national/international regulations. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information a Department issuing SDS: Regulatory Affairs contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS: Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Hellth Administration (USA) ADR: Accord european sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods DOT: US Department of TransportAssociation ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstrates Service (Usixion of the American Chemical Society) NFPA: National Fire Protection Association (USA) VOC: Volatile Organic Compounds (USA, EU) LGS0: Lethal concentration, 50 percent LBS0: Lethal concentration, 50 percent DES: Persistent, Bioaccumulative and Toxic VPW: very Persistent and very Bioaccumulative Fiam. Liq, 2: Fiammable liquids, Hazard Category 2 Acute Tox 3: Acute toxicity, Hazard Category 2 Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 2B Resp. Sens. 1: Sensitisation - Skin, Hazard Category 1 Stri SES: Specific target organ toxicity - Sing version Hazard Category 2B Resp. Sens. 1: Sensitisation - Skin, Hazard Category 1 Stri SES: Specific target organ toxicity - Sing version Sin, Hazard Category 2B Resp. Sens. 1: Sensitisation - Skin, Hazard Category 1 Stri SES: Specific target organ toxicity - Sing versioner, Hazard Category 2B Resp. Sens. 1: Sensitisation - Skin, Hazard Category 1 Stri SES: Specific target organ toxicity - Sing versioner, Hazard Category 2B Resp. Sens. 1: Sensitisation - Skin, Hazard	to do. Continue rinsing.	-
Dispose of contents/container in accordance with local/regional/national/international regulations. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information • Department issuing SDS: Regulatory Affairs • Contact: Regulatory Affairs Telephone No. +11 (708) 597-0900 sds@gcamerica.com • Date of preparation / last revision 04/21/2015 / - • Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS: Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Hellth Administration (USA) ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods DOT: US Department of TransportAsociation ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstrates Service (Usixion of the American Chemical Society) NFPA: National Fire Protection Association (USA) VOC: Volatile Organic Compounds (USA, EU) LCG0: Lethal concentration, 50 percent LDS0: Lethal concentration, 50 percent DED: Lethal dose, 60 percent PBT: Persistent, Bioaccumulative and Toxic VPW: very Persistent and very Bioaccumulative FIam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox 3: Acute	Store locked up.	
Chemical safety assessment: A Chemical Safety Assessment has not been carried out. ((Source:		al regulations.
 16 Other information Department issuing SDS: Regulatory Affairs Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HGS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS: Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstrates Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent DBT: Persistent, Bioaccumulative and Toxic VPW: evry Persistent, Bioaccumulative Fiam. Liq. 2: Flammable liquids, Hazard Category 1 Skin Corr. 1C: Skin corrosion/Irritation, Hazard Category 1 Skin Corr. 1C: Skin corrosion/Irritation, Hazard Category 1 Skin Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Se		
 Department issuing SDS: Regulatory Affairs Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDC: International Martime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIE: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association CAS: Chemical Abstracts Derive (division of the American Chemical Society) NFPA: National Fire Protection Association LD50: Lethal dose, 50 percent LD50: Lethal dose, 50 percent LD50: Lethal dose, 50 percent HD7: Persistent, Bioaccumulative and Toxic VPVB: very Persistent and very Bioaccumulative Fiam. Liq. 2: Flammable liquids, Hazard Category 1 Skin Corn. 1: Skin corrosion/irritation, Hazard Category 1 Skin Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisa		
 Department issuing SDS: Regulatory Affairs Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Martime Code for Dangerous Goods DOT: US Department of Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 1 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1 Skin Corr. 1: Sensitisation - Respirat, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1		
 Department issuing SDS: Regulatory Affairs Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Martime Code for Dangerous Goods DOT: US Department of Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 1 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1 Skin Corr. 1: Sensitisation - Respirat, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1	16 Other information	
 Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS: Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50. Lethal dose, 50 percent DD50. Lethal dose, 50 percent LD50. Lethal dose, 50 percent LD50. Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic VPVB: very Persistent and very Bioaccumulative Fiam. Liq. 2: Flammable liquids, Hazard Category 1 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 12 Ber Th: 2B: Serious eye damage/eye irritation, Hazard Category 12 Resp. Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 		
 Contact: Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS: Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50. Lethal dose, 50 percent DD50. Lethal dose, 50 percent LD50. Lethal dose, 50 percent LD50. Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic VPVB: very Persistent and very Bioaccumulative Fiam. Liq. 2: Flammable liquids, Hazard Category 1 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 12 Ber Th: 2B: Serious eye damage/eye irritation, Hazard Category 12 Resp. Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 	• Department issuing SDS: Regulatory Affairs	
Regulatory Affairs Telephone No. +1 (708) 597-0900 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport also marchandises dangereuses par Route (European Agreement concerning the International Air Transport also marchandises ACSIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic VPMB: very Persistent and very Bioaccumulative VPM: very Persistent and very Bioaccumulative FFI: Persistent, Bioaccumulative and Toxic		
Telephone No. +1 (708) 597-0900 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS: Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDC: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Maritime Code for Dangerous Goods DOT: US Department of Transport des marchandises dangereuses par Route (European Agreement concerning the International Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal dose, 50 percent DBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 1 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1		
 sds@gcamerica.com Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SS: Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DDT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPW: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 12 Kesp. Sens. 1: Sensitisation - Respirat, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 		
 Date of preparation / last revision 04/21/2015 / - Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HGS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS: Safety Data Sheet ECHA: Europeen Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) MDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 1 Skin Corn: 1C: Skin corrosoin/irritation, Hazard Category 1 Skin Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Cars. 2: Specific target organ toxicity - Single exposure, Hazard Category 3 		
 Abbreviations and acronyms: GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport des marchandises dangereuses par Route (European Agreement concerning the International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LCS0: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 1 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 12 Skin Corrosion Similation - Respirat, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Stort S2: Specific target organ toxicity - Single exposure, Hazard Category 3 	••	
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPW: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 1 Acute Tox. 3: Acute toxicity, Hazard Category 1 Skin Corn. 1C: Skin corrosion/irritation, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin St. S: Sensitisation - Skin, Hazard Category 1 Skin St. S: Specific target organ toxicity - Single exposure, Hazard Category 3 		
HCS: Hazard Communication Standard (USA) MSDS: Material Safety Data Sheet SDS: Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 1 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1 Skin Sens. 1: Sensitisation - Skepi rat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Stort SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
 MSDS: Material Safety Data Sheet SDS: Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 1 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1 Skin Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Stort SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 		
 SDS: Safety Data Sheet ECHA: European Chemicals Agency OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport association IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute tox: 3: Acute toxicity, Hazard Category 1 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1 Skin Sens. 1: Sensitisation - Respirat., Hazard Category 1 SKin Sens. 1: Sensitisation - Skin, Hazard Category 1 SKin Sens. 1: Sensitisation - Skin, Hazard Category 1 SKin Sens. 1: Sensitisation - Skin, Hazard Category 1 SKin Sens. 1: Sensitisation - Skin, Hazard Category 1 SKin Sens. 1: Sensitisation - Skin, Hazard Category 1 SKin Sens. 1: Sensitisation - Skin, Hazard Category 1 SKin Sens. 1: Sensitisation - Skin, Hazard Category 1 SKin Sens. 1: Sensitisation - Skin, Hazard Category 1 SKin Sens. 1: Sensitisation - Skin, Hazard Category 1 SKin Sens. 1: Sensitisation - Skin, Hazard Category 1 SKin Sens. 1: Sensitisation - Skin, Hazard Category 1 SKin Sens. 1: Sensitisation - Skin, Hazard Category 1 SKin Sens. 1: Sens		
 OSHA: Occupational Safety and Health Administration (USA) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 1 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 StOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 	SDS: Safety Data Sheet	
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1D Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Stort SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 2B Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 StOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		reamont concerning the
IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent D50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 1 Skin Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		reement concerning the
DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 1C Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 1C Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 1 Skin Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent D50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2 Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 StorT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
 NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 1 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1 Skin Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 StOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 		
HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2 Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Stort SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2 Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Stort SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3	HMIS: Hazardous Materials Identification System (USA)	
LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Stort SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Stort SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
Acute Tox. 3: Acute toxicity, Hazard Category 3 Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3	Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C	
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3		
	STOT SE 3: Specific target organ toxicity - Single exposure Hazard Category 3	
JUNICES	· Sources	
(Contd. on page 11)		(Contd. on page 11)

Printing date 04/21/2015

Version US-EN-Rev 1

Reviewed on 04/17/2015

Trade name: NATURE-CRYL HI-20ET (Liquid)

(Contd. of page 10)

- Manufacturers' MSDSs/SDSs
- OSHA (https://www.osha.gov/dts/chemicalsampling/toc/chmcas.html)
- TOXNET (http://toxnet.nlm.nih.gov/)
- ECHA (http://echa.europa.eu/)
- EnviChem (www.echemportal.org)

· Notes:

CAS Registry Number is a Registered Trademark of the American Chemical Society. CHEMTREC® is a registered service mark of the American Chemistry Council, Inc.

• * Data compared to the previous version altered. This version replaces all previous versions.

· Disclaimer:

The information contained herein is believed to be true and accurate. However, all statements, recommendations or suggestions are made without any guarantee, representation or warranty, express or implied, on our part. Therefore, no warranty is made or to be implied that the information set out in this document is accurate or complete, and we accordingly exclude all liability in connection with the use of this information or the products referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is also subject to change without notice. For the avoidance of doubt, however, nothing in this document excludes or limits our liability for death or personal injury caused by our negligence or for fraudulent misrepresentation.

US



Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

1 Identification

· Product identifier

• Trade name: NATURE-CRYL HI-20ET (Powder, Shades: COE Light Fibered+, COE-LOR Heavy, COE-LOR Mild, COE-LOR Moderate, Light, Light Reddish Pink, and Original)

· Relevant identified uses of the substance or mixture and uses advised against Dental material

The product is intended for professional use.

To avoid risks for humans and environment obtain instructions.

- · Application of the substance / the mixture Manufacture of dental prothesis
- · Details of the supplier of the safety data sheet
- Manufacturer/Supplier: GC America Inc. 3737 W. 127th Street Alsip, IL 60803 USA

sds@gcamerica.com

- · Information department: Regulatory Affairs
- Emergency telephone number:

During normal opening times (Mon.-Fri. 8:00 AM-5:00 PM CST): +1 (708) 597-0900 Transportation (CHEMTREC®) Emergency Telephone No. +1 (800) 424-9300

2 Hazard(s) identification

· Classification of the substance or mixture

Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2B H320 Causes eye irritation.

• Additional information:

The information provided is in regards to the toxicity and hazard rating(s) of the individual component(s) in the formulation. The associated risk(s) depends on the route(s) of exposure. The hazard rating system is based entirely on the existence of the risk(s) and does not take into account the likelihood of reduced risk(s) through proper usage and handling.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms



· Signal word Warning

- · Hazard statements
- Causes skin and eye irritation.
- **Precautionary statements** Wear protective gloves.

(Contd. on page 2)

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: NATURE-CRYL HI-20ET (Powder, Shades: COE Light Fibered+, COE-LOR Heavy, COE-LOR Mild, COE-LOR Moderate, Light, Light Reddish Pink, and Original)

(Contd. of page 1)

Wash thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of water.

- Classification system:
- NFPA ratings (scale 0 4)

Health = 1 Fire = 1 Reactivity = 0

· HMIS-ratings (scale 0 - 4)

HEALTH 1	Health = 1
	Fire = 1
REACTIVITY 0	Reactivity = 0

· Other hazards

- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.

Dungerous components	·	Dangerous	components:	
----------------------	---	-----------	-------------	--

poly[(isodecyl methacrylate)-co-(methyl methacrylate)]	25-50%
poly(methyl methacrylate)	1-5%

• Additional information:

If a substance is marked with **, then substance is a trade secret. This is allowed under OSHA's Hazard Communication Standard (HCS) as a trade secret and under GHS as Confidential Business Information (CBI).

4 First-aid measures

Description of first aid measures
General information: Immediately remove any clothing soiled by the product. If symptoms persist consult doctor.
After inhalation: Supply fresh air; consult doctor in case of complaints. In case of unconsciousness place patient stably in side position for transportation.
After skin contact: Immediately wash with water and soap and rinse thoroughly. Rinse with warm water. Seek medical treatment. If symptoms persist consult doctor.

(Contd. on page 3)

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: NATURE-CRYL HI-20ET (Powder, Shades: COE Light Fibered+, COE-LOR Heavy, COE-LOR Mild, COE-LOR Moderate, Light, Light Reddish Pink, and Original)

(Contd. of page 2)

- After eye contact: Protect unharmed eye. Rinse opened eye for several minutes under running water. Then consult a doctor.
 After swallowing: Rinse out mouth and then drink plenty of water.
- If symptoms persist consult doctor.
- Information for deatory
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents: Water with full jet
 Special hazards arising from the substance or mixture In case of fire, the following can be released:
 - Carbon monoxide and carbon dioxide
- Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.
- Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

 Personal precautions, protective equipment and emergency procedures Remove persons from danger area. Avoid formation of dust. Avoid contact with the eyes and skin. Wear protective clothing.
· Environmental precautions:
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to penetrate the ground/soil.
In case of seepage into the ground inform responsible authorities.
• Methods and material for containment and cleaning up:
Pick up mechanically.
Prevent formation of dust.
Dispose of the collected material according to regulations.
· Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

(Contd. on page 4)

USA

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: NATURE-CRYL HI-20ET (Powder, Shades: COE Light Fibered+, COE-LOR Heavy, COE-LOR Mild, COE-LOR Moderate, Light, Light Reddish Pink, and Original)

(Contd. of page 3)

7 Handling and storage

- · Handling:
- Precautions for safe handling
- Observe instructions for use.
- Prevent formation of dust.

Any deposit of dust which cannot be avoided must be regularly removed.

- Avoid contact with the eyes and skin.
- **Information about protection against explosions and fires:** Dust can combine with air to form an explosive mixture.
- · Storage:
- **Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.
- · Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Observe instructions for use / storage.
- Keep receptacle tightly sealed.
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

- · Control parameters
- Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

- Do not inhale dust / smoke / mist.
- Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

- Breathing equipment: Suitable respiratory protective device recommended.
- · Protection of hands: Protective gloves
- · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 5)

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

(Contd. of page 4)

Trade name: NATURE-CRYL HI-20ET (Powder, Shades: COE Light Fibered+, COE-LOR Heavy, COE-LOR Mild, COE-LOR Moderate, Light, Light Reddish Pink, and Original)

· Eye protection: Safety glasses

Information on basis physical and	abominal properties
Information on basic physical and General Information	chemical properties
Appearance:	
Form:	Free-flowing powder
Color:	Shade specific
Odor:	Odorless
Odor threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not determined.
Ignition temperature:	Undetermined.
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure:	Not applicable.
Density:	Not determined.
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water:	Insoluble.
Partition coefficient (n-octanol/wa	ter): Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
Other information	No further relevant information available.

(Contd. on page 6)

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: NATURE-CRYL HI-20ET (Powder, Shades: COE Light Fibered+, COE-LOR Heavy, COE-LOR Mild, COE-LOR Moderate, Light, Light Reddish Pink, and Original)

(Contd. of page 5)

10 Stability and reactivity

- · Reactivity No further relevant information available.
- Chemical stability Stable at ambient temperature.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- · **Incompatible materials:** No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- Acute toxicity:
- · LD/LC50 values that are relevant for classification: No further relevant information available.
- Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)	
poly(methyl methacrylate)	3
titanium dioxide	2B
iron(III) oxide	3
· NTP (National Toxicology Program)	
None of the ingredients is listed.	

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Carcinogenic categories' legend:

IARC Group 1: The agent is carcinogenic to humans.

IARC Group 2A: The agent is probably carcinogenic to humans.

IARC Group 2B: The agent is possibly carcinogenic to humans.

IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

IARC Group 4: The agent is probably not carcinogenic to humans.

NTP K: Known to be human carcinogen.

NTP R: Reasonably anticipated to be human carcinogen.

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.

(Contd. on page 7)

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: NATURE-CRYL HI-20ET (Powder, Shades: COE Light Fibered+, COE-LOR Heavy, COE-LOR Mild, COE-LOR Moderate, Light, Light Reddish Pink, and Original)

(Contd. of page 6)

- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- · Additional ecological information:

· General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- **Recommendation:** Disposal must be made according to official regulations.

UN-Number		
DOT, ADR, ADN, IMDG, IATA	Void	
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	Void	
Transport hazard class(es)		
DOT, ADR, ADN, IMDG, IATA Class	Void	
Packing group DOT, ADR, IMDG, IATA	Void	
Environmental hazards: Marine pollutant:	No	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	t II of Not applicable.	
UN "Model Regulation":	-	

(Contd. on page 8)

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: NATURE-CRYL HI-20ET (Powder, Shades: COE Light Fibered+, COE-LOR Heavy, COE-LOR Mild, COE-LOR Moderate, Light, Light Reddish Pink, and Original)

(Contd. of page 7)

A4

A4

15 Regulatory information

 $^{\cdot}$ Safety, health and environmental regulations/legislation specific for the substance or mixture $^{\cdot}$ SARA (Superfund Amendments and Reauthorization Act)

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

• Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

• TSCA (Toxic Substances Control Act):

poly(methyl methacrylate)

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

• TLV (Threshold Limit Value established by ACGIH)

titanium dioxide

iron(III) oxide

• NIOSH-Ca (National Institute for Occupational Safety and Health)

titanium dioxide

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms



· Signal word Warning

Hazard statements

Causes skin and eye irritation.

Precautionary statements

Wear protective gloves.

Wash thoroughly after handling.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of water.

• Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

• **Department issuing MSDS:** Regulatory Affairs

(Contd. on page 9)

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: NATURE-CRYL HI-20ET (Powder, Shades: COE Light Fibered+, COE-LOR Heavy, COE-LOR Mild, COE-LOR Moderate, Light, Light Reddish Pink, and Original)

	(Contd. of page 8)
Contact:	
Regulatory Affairs	
Telephone No. +1 (708) 597-0900	
sds@gcamerica.com	
Date of preparation / last revision 02/24/2015 / -	
Abbreviations and acronyms:	
GHS: Globally Harmonized System of Classification and Labelling of Chemicals	
HCS: Hazard Communication Standard (USA)	
MSDS: Material Safety Data Sheet	
SDS: Safety Data Sheet	
ADN: Accord européen relatif au transport international des marchandises dangereu	
(European Agreement Concerning the International Carriage of Dangerous Goods by Inl	and Waterways)
ECHA: European Chemicals Agency	
OSHA: Occupational Safety and Health Administration (USA)	(European Agreement concerning the
ADR: Accord européen sur le transport des marchandises dangereuses par Route International Carriage of Dangerous Goods by Road)	(European Agreement concerning the
IMDG: International Maritime Code for Dangerous Goods	
DOT: US Department of Transportation	
IATA: International Air Transport Association	
ACGIH: American Conference of Governmental Industrial Hygienists	
CAS: Chemical Abstracts Service (division of the American Chemical Society)	
NFPA: National Fire Protection Association (USA)	
HMIS: Hazardous Materials Identification System (USA)	
LC50: Lethal concentration, 50 percent	
LD50: Lethal dose, 50 percent	
PBT: Persistent, Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2	
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B	
Sources	
Manufacturers' MSDSs/SDSs	
OSHA (https://www.osha.gov/dts/chemicalsampling/toc/chmcas.html)	
 TOXNET (http://toxnet.nlm.nih.gov/) 	
 ECHA (http://echa.europa.eu/) 	
 EnviChem (www.echemportal.org) 	
Notes:	
CAS Registry Number is a Registered Trademark of the American Che	mical Society
CHEMTREC® is a registered service mark of the American Chemistry	
* Data compared to the previous version altered. This version replace	ces all previous versions.
Disclaimer:	
The information contained herein is believed to be true and accu recommendations or suggestions are made without any guarantee, rep	

recommendation contained herein is believed to be true and decorate. However, an statements, representation or warranty, express or implied, on our part. Therefore, no warranty is made or to be implied that the information set out in this document is accurate or complete, and we accordingly exclude all liability in connection with the use of this information or the products referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is also subject to change without notice. For the avoidance of doubt, however, nothing in this document excludes or limits our liability for death or personal injury caused by our negligence or for fraudulent misrepresentation.