

# Material Safety Data Sheet

## AQUA CARE - Spray

### 1. Product and company identification

<b>Product name</b>	: AQUA CARE - Spray
<b>Supplier/Manufacturer</b>	: BIEN-AIR Dental SA Länggasse 60 CH-2504 Bienne 6 Tel +41 32 344 64 64 Fax +4132 344 64 91 office@bienair.com www.bienair.com
<b>Material uses</b>	: <input checked="" type="checkbox"/> Cleaner.
<b>Validation date</b>	: 03.04.2012.
<b>Responsible name</b>	: Chemical Check GmbH
<b>e-mail address of person responsible for this SDS</b>	: info@chemical-check.de; k.schnurbusch@chemical-check.de
<b>In case of emergency</b>	: Tel +41 32 344 64 64
<b>Product type</b>	: Aerosol.

### 2. Hazards identification

#### Emergency overview

<b>Color</b>	: Colorless.
<b>Physical state</b>	: Liquid. [Aerosol.]
<b>Odor</b>	: Fresh
<b>Signal word</b>	: WARNING!
<b>Hazard statements</b>	: <input checked="" type="checkbox"/> FLAMMABLE. CAUSES RESPIRATORY TRACT AND EYE IRRITATION. MAY CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. <input checked="" type="checkbox"/> Flammable aerosol. Severely irritating to eyes. Irritating to respiratory system. Slightly irritating to the skin. Defatting to the skin. Do not get in eyes. Avoid contact with skin and clothing. Contains material that may cause target organ damage, based on animal data. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Routes of entry** : Dermal contact. Eye contact. Inhalation.

#### Potential acute health effects

<b>Inhalation</b>	: <input checked="" type="checkbox"/> Irritating to respiratory system.
<b>Ingestion</b>	: No known significant effects or critical hazards.
<b>Skin</b>	: Slightly irritating to the skin.
<b>Eyes</b>	: Severely irritating to eyes. Risk of serious damage to eyes.

#### Potential chronic health effects

<b>Chronic effects</b>	: Contains material that may cause target organ damage, based on animal data. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.
<b>Target organs</b>	: <input checked="" type="checkbox"/> Contains material which may cause damage to the following organs: blood, the nervous system, the reproductive system, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

#### Over-exposure signs/symptoms

<b>Inhalation</b>	: Adverse symptoms may include the following: respiratory tract irritation coughing
<b>Ingestion</b>	: No specific data.

## 2. Hazards identification

- Skin** : Adverse symptoms may include the following:  
irritation  
redness  
dryness  
cracking
- Eyes** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Medical conditions aggravated by over-exposure** : Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (section 11)

## 3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Methane, 1,1'-oxybis-	115-10-6	10-30
Ethanol	64-17-5	10-30

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4. First aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. Fire-fighting measures

- Flammability of the product** : Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
Toxic gases

## 5. Fire-fighting measures

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

**Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods for cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. Handling and storage

**Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Empty containers retain product residue and can be hazardous.

**Storage** : Store in accordance with local regulations. Store in a segregated and approved area. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

Ingredient	Exposure limits
Methane, 1,1'-oxybis-  Ethanol	<p><b>AIHA WEEL (United States, 5/2010).</b> TWA: 1000 ppm 8 hour(s).</p> <p><b>ACGIH TLV (United States, 2/2010).</b> STEL: 1000 ppm 15 minute(s).</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 1000 ppm 8 hour(s). TWA: 1900 mg/m<sup>3</sup> 8 hour(s).</p> <p><b>NIOSH REL (United States, 6/2009).</b> TWA: 1000 ppm 10 hour(s). TWA: 1900 mg/m<sup>3</sup> 10 hour(s).</p> <p><b>OSHA PEL (United States, 6/2010).</b> TWA: 1000 ppm 8 hour(s). TWA: 1900 mg/m<sup>3</sup> 8 hour(s).</p>

## 8. Exposure controls/personal protection

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
- Engineering measures** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Personal protection**
- Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and chemical properties

- Physical state** : Liquid. [Aerosol.]
- Flash point** : Closed cup: Not applicable.
- Color** : Colorless.
- Odor** : Fresh
- Vapor pressure** : 470 to 570 kPa (3525 to 4275 mm Hg)
- Solubility** : Soluble in the following materials: cold water and hot water.

## 10. Stability and reactivity

- Chemical stability** : The product is stable.
- Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Store and use away from heat, sparks, open flame or any other ignition source.
- Materials to avoid** : Reactive or incompatible with the following materials: oxidizing materials.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological information

### Potential acute health effects

- Inhalation** : Irritating to respiratory system.
- Ingestion** : No known significant effects or critical hazards.
- Eyes** : Severely irritating to eyes. Risk of serious damage to eyes.
- Skin** : Slightly irritating to the skin.

### Acute toxicity

## 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
Methane, 1,1'-oxybis-	LC50 Inhalation Vapor	Rat	309 g/m <sup>3</sup>	4 hours
	LC50 Inhalation Gas.	Rat	164000 ppm	4 hours
Ethanol	LD50 Intra-arterial	Rat	11 mg/kg	-
	LD50 Intraperitoneal	Rat	3600 ug/kg	-
	LD50 Intravenous	Rat	1440 mg/kg	-
	LD50 Oral	Rat	7 g/kg	-
	LD50 Oral	Rat	15010 mg/kg	-
	LD50 Oral	Rat	7060 mg/kg	-
	LDLo Dermal	Rabbit	20000 mg/kg	-
	LDLo Oral	Rat	7000 mg/kg	-
	TDLo	Rat	363,6 ug/kg	-
	TDLo Intracerebral	Rat	106 ug/kg	-
	TDLo Intracerebral	Rat	2,45 g/kg	-
	TDLo Intraperitoneal	Rat	2 g/kg	-
	TDLo Intraperitoneal	Rat	1,5 g/kg	-
	TDLo Intraperitoneal	Rat	1 g/kg	-
	TDLo Intraperitoneal	Rat	0,5 g/kg	-
	TDLo Intraperitoneal	Rat	0,25 g/kg	-
	TDLo Intraperitoneal	Rat	3500 mg/kg	-
	TDLo Intraperitoneal	Rat	3000 mg/kg	-
	TDLo Intraperitoneal	Rat	2800 mg/kg	-
	TDLo Intraperitoneal	Rat	2700 mg/kg	-
	TDLo Intraperitoneal	Rat	2500 mg/kg	-
	TDLo Intraperitoneal	Rat	2000 mg/kg	-
	TDLo Intraperitoneal	Rat	1500 mg/kg	-
	TDLo Intraperitoneal	Rat	1000 mg/kg	-
	TDLo Intraperitoneal	Rat	500 mg/kg	-
	TDLo Intraperitoneal	Rat	2,4 mg/kg	-
	TDLo Intraperitoneal	Rat	1,25 mg/kg	-
	TDLo Intravenous	Rat	0,5 g/kg	-
	TDLo Oral	Rat	6,4 g/kg	-
	TDLo Oral	Rat	6 g/kg	-
	TDLo Oral	Rat	5,25 g/kg	-
	TDLo Oral	Rat	5 g/kg	-
TDLo Oral	Rat	3,9 g/kg	-	
TDLo Oral	Rat	3 g/kg	-	
TDLo Oral	Rat	2,5 g/kg	-	
TDLo Oral	Rat	2 g/kg	-	
TDLo Oral	Rat	1 g/kg	-	
TDLo Oral	Rat	0,72 g/kg	-	
TDLo Oral	Rat	0,5 g/kg	-	

## 11. Toxicological information

TDLo Oral	Rat	0,4 g/kg	-
TDLo Oral	Rat	10 mL/kg	-
TDLo Oral	Rat	5 mL/kg	-
TDLo Oral	Rat	4,8 mL/kg	-
TDLo Oral	Rat	4,57 mL/kg	-
TDLo Oral	Rat	4,44 mL/kg	-
TDLo Oral	Rat	4 mL/kg	-
TDLo Oral	Rat	12800 mg/kg	-
TDLo Oral	Rat	8000 mg/kg	-
TDLo Oral	Rat	6000 mg/kg	-
TDLo Oral	Rat	5250 mg/kg	-
TDLo Oral	Rat	5000 mg/kg	-
TDLo Oral	Rat	4800 mg/kg	-
TDLo Oral	Rat	4300 mg/kg	-
TDLo Oral	Rat	1600 mg/kg	-
TDLo Oral	Rat	1500 mg/kg	-
TDLo Oral	Rat	1000 mg/kg	-
TDLo	Rat	7900 mg/kg	-
Subcutaneous			
TDLo Unreported	Rat	3 g/kg	-
LC50 Inhalation Vapor	Rat	124700 mg/m3	4 hours
LC50 Inhalation Vapor	Rat	5900 mg/m3	6 hours
LC50 Inhalation Gas.	Rat	20000 ppm	10 hours

### Classification

#### Product/ingredient name

Ethanol

ACGIH

A3

IARC

-

EPA

-

NIOSH

-

NTP

-

OSHA

-

## 12. Ecological information

**Ecotoxicity** : No known significant effects or critical hazards.

### Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
Methane, 1,1'-oxybis-	-	Acute LC50 2695 mg/l	Fish - Pimephales promelas	96 hours
Ethanol	-	Acute EC50 17,921 mg/L Marine water	Algae - Green algae - Ulva pertusa	96 hours
	-	Acute EC50 10000 to 20000 ppm Fresh water	Algae - Green algae - Dunaliella tertiolecta	96 hours
	-	Acute EC50 <10000 ppm Fresh water	Algae - Algae - Heterosigma akashiwo	96 hours
	-	Acute EC50 >100 ppm Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	48 hours
	-	Acute EC50 2000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	-	Acute LC50 5680 mg/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate - <24 hours	48 hours
	-	Acute LC50 13 ml/L Fresh water	Fish - Rainbow trout, donaldson trout - Oncorhynchus mykiss - 0,8 g	96 hours
	-	Acute LC50 12720 ppm Fresh water	Fish - Fathead minnow - Pimephales promelas - 40 mm	96 hours
	-	Acute LC50 14200000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - 30 days - 19,4 mm - 0,099 g	96 hours
	-	Acute LC50 13480000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) - 4 to 8 weeks - 1,1 to 3,1 cm	96 hours
	-	Acute LC50 11000000 ug/L Marine water	Fish - Bleak - Alburnus alburnus - 8 to 10 cm	96 hours
	-	Acute LC50 10000000 to 11500000 ug/L Marine water	Fish - Bleak - Alburnus alburnus - 8 cm	96 hours

## 12. Ecological information

-	Acute LC50 6772000 ug/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - Neonate	48 hours
-	Acute LC50 6386000 ug/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - Neonate	48 hours
-	Acute LC50 6325000 ug/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - Neonate	48 hours
-	Acute LC50 6076000 ug/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - Neonate	48 hours
-	Acute LC50 5577000 ug/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - Neonate	48 hours
-	Acute LC50 3715000 ug/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - Neonate	48 hours
-	Acute LC50 >100000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) - 0,2 to 0,5 g	96 hours
-	Acute LC50 42000 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss	4 days
-	Acute LC50 25500 ug/L Marine water	Crustaceans - Brine shrimp - Artemia franchiscana - Larvae	48 hours
-	Chronic NOEC <6,3 g/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
-	Chronic NOEC 4,995 mg/L Marine water	Algae - Green algae - Ulva pertusa	96 hours
-	Chronic NOEC 9600 ppm Fresh water	Algae - Green algae - Dunaliella tertiolecta	96 hours
-	Chronic NOEC 350 ppm Fresh water	Algae - Algae - Heterosigma akashiwo	96 hours

## 13. Disposal considerations



### Waste disposal

: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Do not puncture or incinerate container.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.


## 14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>DOT Classification</b>	UN1950	Aerosols	2.1	-		<b>Packaging instruction</b> <b>Passenger aircraft</b> Quantity limitation: 75 to 75 kg  <b>Cargo aircraft</b> Quantity limitation: 150 to 150 kg  <b>Special provisions</b> 153, N82
<b>IMDG Class</b>	UN1950	AEROSOLS	2.1	-		<b>Emergency schedules (EmS)</b> F-D, S-U



## AQUA CARE - Spray

### 14. Transport information

<b>IATA-DGR Class</b>	UN1950	Aerosols, flammable	2.1	-		<b>Passenger and Cargo Aircraft</b> Quantity limitation: 75 kg Packaging instructions: 203 <b>Cargo Aircraft Only</b> Quantity limitation: 150 kg Packaging instructions: 203 <b>Limited Quantities - Passenger Aircraft</b> Quantity limitation: 30 kg Packaging instructions: Y203
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PG\* : Packing group

### 15. Regulatory information

- HCS Classification** : Flammable aerosol  
Irritating material  
Target organ effects
- U.S. Federal regulations** : **TSCA 8(a) IUR**: Carbon dioxide  
**United States inventory (TSCA 8b)**: All components are listed or exempted.  
**SARA 302/304/311/312 extremely hazardous substances**: No products were found.  
**SARA 302/304 emergency planning and notification**: No products were found.  
**SARA 302/304/311/312 hazardous chemicals**: Methane, 1,1'-oxybis-; Ethanol  
**SARA 311/312 MSDS distribution - chemical inventory - hazard identification**:  
Methane, 1,1'-oxybis-: Fire hazard, Sudden release of pressure, Immediate (acute) health hazard; Ethanol: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard  
**Clean Water Act (CWA) 307**: No products were found.  
**Clean Water Act (CWA) 311**: No products were found.  
**Clean Air Act (CAA) 112 accidental release prevention**: Methane, 1,1'-oxybis-  
**Clean Air Act (CAA) 112 regulated flammable substances**: Methane, 1,1'-oxybis-  
**Clean Air Act (CAA) 112 regulated toxic substances**: No products were found.
- Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Not listed
- Clean Air Act Section 602 Class I Substances** : Not listed
- Clean Air Act Section 602 Class II Substances** : Not listed
- DEA List I Chemicals (Precursor Chemicals)** : Not listed
- DEA List II Chemicals (Essential Chemicals)** : Not listed
- State regulations** : **Connecticut Carcinogen Reporting**: None of the components are listed.  
**Connecticut Hazardous Material Survey**: None of the components are listed.  
**Florida substances**: None of the components are listed.  
**Illinois Chemical Safety Act**: None of the components are listed.  
**Illinois Toxic Substances Disclosure to Employee Act**: None of the components are listed.  
**Louisiana Reporting**: None of the components are listed.  
**Louisiana Spill**: None of the components are listed.  
**Massachusetts Spill**: None of the components are listed.  
**Massachusetts Substances**: The following components are listed: METHYL ETHER; ETHYL ALCOHOL  
**Michigan Critical Material**: None of the components are listed.  
**Minnesota Hazardous Substances**: None of the components are listed.



## 15. Regulatory information

**New Jersey Hazardous Substances:** The following components are listed: DIMETHYL ETHER; METHANE, OXYBIS-; ETHYL ALCOHOL; ALCOHOL

**New Jersey Spill:** None of the components are listed.

**New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.

**New York Acutely Hazardous Substances:** None of the components are listed.

**New York Toxic Chemical Release Reporting:** None of the components are listed.

**Pennsylvania RTK Hazardous Substances:** The following components are listed: METHANE, OXYBIS-; DENATURED ALCOHOL

**Rhode Island Hazardous Substances:** None of the components are listed.

**United States inventory (TSCA 8b)** : All components are listed or exempted.

### International regulations

#### International lists

**Australia inventory (AICS):** All components are listed or exempted.

**China inventory (IECSC):** All components are listed or exempted.

**Japan inventory:** Not determined.

**Korea inventory:** Not determined.

**New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.

**Philippines inventory (PICCS):** All components are listed or exempted.

**Chemical Weapons Convention List Schedule I Chemicals** : Not listed

**Chemical Weapons Convention List Schedule II Chemicals** : Not listed

**Chemical Weapons Convention List Schedule III Chemicals** : Not listed

## 16. Other information

**Label requirements** :  FLAMMABLE. CAUSES RESPIRATORY TRACT AND EYE IRRITATION. MAY CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.

**Hazardous Material Information System (U.S.A.)** :

Health	*	2
Flammability		4
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)** :



**Date of issue** : 03.04.2012.

**Date of previous issue** : No previous validation

**Version** : 2

Indicates information that has changed from previously issued version.

[Notice to reader](#)

## **16. Other information**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.