

SAFETY DATA SHEET



* 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Material	POLIDENT OVERNIGHT (US)												
Synonym(s)	PROJECT SHIITAKE * MFC 50768 * DENTURE CLEANER, FORMULATED PRODUCT												
Recommended Use	Medical Device												
Company Name	<p>GlaxoSmithKline UK 980 Great West Road Brentford, Middlesex TW8 9GS UK UK General Information (normal business hours): +44-20-8047-5000</p> <p>GlaxoSmithKline US 5 Moore Drive Research Triangle Park, NC 27709 USA US General Information (normal business hours): +1-888-825-5249</p> <p>Email Address: msds@gsk.com Website: www.gsk.com</p> <p>EMERGENCY PHONE NUMBERS -</p> <p>TRANSPORT EMERGENCIES (by country / geographic region):</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 75%;">Africa / EU / Israel / Middle East (English / European languages):</td> <td style="text-align: right;">+44 (0) 1235 239 670</td> </tr> <tr> <td>Asia Pacific (except China):</td> <td style="text-align: right;">+65 3158 1074</td> </tr> <tr> <td>China:</td> <td style="text-align: right;">+86 10 5100 3039</td> </tr> <tr> <td>Middle East / Africa (Arabic-speaking countries):</td> <td style="text-align: right;">+44 (0) 1235 239 671</td> </tr> <tr> <td>US:</td> <td style="text-align: right;">+1 703 527 3887</td> </tr> </table> <p>available 24 hrs/7 days; multi-language response</p> <p>MEDICAL EMERGENCIES: +1 612 221 3999, Ext 221 available 24 hrs/7 days; multi-language response</p>			Africa / EU / Israel / Middle East (English / European languages):	+44 (0) 1235 239 670	Asia Pacific (except China):	+65 3158 1074	China:	+86 10 5100 3039	Middle East / Africa (Arabic-speaking countries):	+44 (0) 1235 239 671	US:	+1 703 527 3887
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* 2. HAZARDS IDENTIFICATION

Fire and Explosion Hazards	Expected to be non-combustible.
Health	<p>Not expected to be a significant health hazard unless product is crushed or broken. Exposure might occur via ingestion; eyes; skin.</p> <p>Harmful if inhaled. May produce allergic skin reactions. Severe eye irritant. Possible effects of overexposure in the workplace include: symptoms of hypersensitivity (such as skin rash, hives, itching, and difficulty breathing).</p> <p>Contains ingredient(s) that: have produced adverse effects on foetal development in laboratory animals; have produced adverse effects on fertility in laboratory animals. Health effects information is based on hazards of components.</p>
Environment	No information is available about the potential of this product to produce adverse environmental effects. This product contains an ingredient(s) that is harmful to aquatic organisms; and may cause long-term adverse effects in the aquatic environment.

* 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	Percent	EC-No.	EU Classification
CITRIC ACID	77-92-9	14	201-069-1	Xi, R36

Material POLIDENT OVERNIGHT (US)

PEPPERMINT OIL	8006-90-4	0.1 to 1		Xi, N, R38, R43, R51, R53
POTASSIUM PEROXYMONOSULFATE	10058-23-8	17	233-187-4	C, R34, R52
SODIUM BENZOATE	532-32-1	1 to 2.5	208-534-8	Xi, R36/37/38
SODIUM CARBONATE	497-19-8	8	207-838-8	Xi, R36
SODIUM LAURYL SULFOACETATE	1847-58-1	2.5 to 10	217-431-7	Xn, R22
SODIUM METASILICATE, ANHYDROUS	6834-92-0	2.5 to 10	229-912-9	C, Xi, R37, R34
SODIUM NITRITE	7632-00-0	0.1 to 1	231-555-9	T, O, N, R25, R50, R8
SODIUM PERBORATE	7632-04-4	18	231-556-4	Repr. Cat. 2, Repr. Cat. 3, T, Xi, Xn, O, R61, R22, R41, R52, R62, R23, R37, R8
SODIUM TRIPOLYPHOSPHATE	7758-29-4	2.5 to 10	231-838-7	Xi, R36/37/38, R52
SUBTILISIN	9014-01-1	0.5	232-752-2	Xi, Xn, R52, R42, R37/38, R41
Other components below reportable levels		20 to 40		

* 4. FIRST-AID MEASURES

Ingestion	Never attempt to induce vomiting. Do not attempt to give any solid or liquid by mouth if the exposed subject is unconscious or semi-conscious. Wash out the mouth with water. If the exposed subject is fully conscious, give plenty of water to drink. Obtain medical attention.
Inhalation	Physical form suggests that risk of inhalation exposure is negligible.
Skin contact	Using appropriate personal protective equipment, remove contaminated clothing and flush exposed area with large amounts of water. Obtain medical attention if skin reaction occurs, which may be immediate or delayed.
Eye contact	Wash immediately with clean and gently flowing water. Continue for at least 15 minutes. Obtain medical attention.

NOTES TO HEALTH PROFESSIONALS

Medical Treatment	Because of the potential for acute or delayed eye damage, consider referral to an ophthalmologist. Treat according to locally accepted protocols. For additional guidance, refer to the local poison control information centre.
Medical Conditions Caused or Aggravated by Exposure	New or expectant mothers might be at greater risk from overexposure. Risk assessments must take this into consideration. Female employees anticipating pregnancy or with a confirmed pregnancy must be encouraged to notify an occupational health professional or their line manager. This will act as the trigger for individual re-assessment of the employee's work practices.
Health Surveillance Procedures	The need for pre-placement and periodic health surveillance must be determined by risk assessment. Following assessment, if the risk of exposure is considered significant then exposed individuals should receive health surveillance focused on detecting skin conditions. In the event of overexposure, individuals should receive post-exposure health surveillance focused on detecting skin conditions and adrenal suppression.

Material POLIDENT OVERNIGHT (US)

* 10. STABILITY AND REACTIVITY

Stability This product is expected to be stable.

Conditions to Avoid None for normal handling of this product.

* 11. TOXICOLOGY INFORMATION

Target Organ Effects No specific target organ effects have been identified.

Routes of Exposure

Oral Toxicity Not expected to be toxic following ingestion.

Inhalation Toxicity No studies have been conducted.

Skin Effects Minor irritation might occur following direct contact with damaged skin.

Eye Effects Severe irritation might occur following direct contact with eyes. May cause intense reddening, swelling and pain with possible irreversible damage to vision.

Sensitisation Allergic skin reactions might occur following repeated contact with this material in susceptible individuals. Symptoms of hypersensitivity may include skin rash, hives, itching, and/or difficulty breathing.

Genetic Toxicity The ingredient sodium perborate monohydrate has caused genetic toxicity in laboratory studies. However, the relevance of these effects to humans from occupational exposure is not known.

Carcinogenicity No components are listed as carcinogens by GSK, IARC, NTP or US OSHA.

Reproductive Effects The ingredient sodium perborate monohydrate has caused adverse effects on the development of unborn offspring in animal studies. The ingredient sodium perborate monohydrate has caused adverse effects to fertility in animal studies.

Other Adverse Effects None known for occupational exposure.

* 12. ECOLOGICAL INFORMATION

Summary No information is available about the potential of this product to produce adverse environmental effects. This material contains at least one ingredient that has been tested, and which may be harmful if released directly to the environment. Consult the MSDS of each ingredient for specific information about potential environmental effects. Appropriate precautions should be taken to limit release of this mixture to the environment. Local regulations and procedures should be consulted prior to environmental release.

* 13. DISPOSAL CONSIDERATIONS

Disposal Recommendations Collect for recycling or recovery if possible. The disposal method for rejected products/returned goods must ensure that they cannot be re-sold or re-used. The recommended method of disposal is incineration.

Regulatory Requirements Observe all local and national regulations when disposing of this product.

* 14. TRANSPORT INFORMATION

The SDS should accompany all shipments for reference in the event of spillage or accidental release. Only authorised persons trained and competent in accordance with appropriate national and international regulatory requirements may prepare dangerous goods for transport.

UN Classification and Labelling

Transport Information Not regulated in transport.

* 15. REGULATORY INFORMATION

The information included below is an overview of the major regulatory requirements. It should not be considered to be an exhaustive summary. Local regulations should be consulted for additional requirements.

Material POLIDENT OVERNIGHT (US)

EU Classification and Labelling

Classification(s) Reproductive Category 3, T, Xn, Xi; R61, R41, R62, R22, R52, R43, R20

Symbol(s) Harmful (Xn)



Risk Phrase(s)
 R41 - Risk of serious damage to eyes.
 R62 - Possible risk of impaired fertility.
 R61 - May cause harm to the unborn child.
 R20 - Harmful by inhalation.
 R43 - May cause sensitisation by skin contact.
 R52 - Harmful to aquatic organisms.
 R22 - Harmful if swallowed.

Safety Phrase(s)
 S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
 S53 - Avoid exposure - obtain special instructions before use.

US OSHA Standard (29 CFR Part 1910.1200)

Classification This product is classified as hazardous according to the OSHA Hazard Communication Standard.

Target Organ Statement No specific target organ effects known.

Other US Regulations

TSCA Status Exempt

* 16. OTHER INFORMATION

References GSK Hazard Determination

SDS Version Number 4

SDS Sections Updated

Sections

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SDS Sections Updated**Sections**

FIRST-AID MEASURES

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SDS Sections Updated**Sections**

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Special Precautions for Transport
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Summary
Technical Name
Transport Category
Transport Classification and Labelling
Transport Label(s)
Tremcard Number
UN Number

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.

1. Identification

Product identifier	DENTURE ADHESIVE CREAM
Other means of identification	Not available.
Synonym(s)	DENTURE FIXATIVE * POLIDENT DENTURE ADHESIVE * SUPER POLIGRIP ORIGINAL DENTURE ADHESIVE CREAM * POLIGRIP/COREGA DENTURE ADHESIVE CREAM * SUPER POLIGRIP LOW GANTREZ DENTURE ADHESIVE CREAM * MFC 50937 * MFC 50880 * MFC 50885 * MFC 50886 * ULTRA POLIGRIP, DENTURE ADHESIVE CREAM * ULTRA POLIGRIP DENTURE FIXATIVE * FORMULA IB1544 * POLIGRIP ULTRA FRESH, DENTURE ADHESIVE CREAM FIXATIVE * POLIGRIP TOTAL CARE (UK) * DENTURE ADHESIVE CREAM FIXATIVE * FORMULA IB1649 * COREGA FREE, DENTURE ADHESIVE CREAM * FORMULA IB1688 * COREGA FRESH, DENTURE ADHESIVE CREAM * COREGA FRESH DENTURE FIXATIVE * FORMULA IB1689 * COREGA CREAM, DENTURE ADHESIVE CREAM * COREGA CREAM DENTURE FIXATIVE * FORMULA IB1690 * POLIGRIP ULTRA FRESH, DENTURE ADHESIVE CREAM * POLIGRIP ULTRA FRESH DENTURE FIXATIVE * FORMULA IB1742 * DENTURE ADHESIVE CREAM DENTURE FIXATIVE * FORMULA IB1967 * PROJECT DOUBLE * DENTURE ADHESIVE FIXATIVE, FORMULATED PRODUCT
Recommended use	Cosmetic Product This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant to medicinal use of the product. In this instance patients should consult prescribing information/package insert/product label or consult their pharmacist or physician. For health and safety information for individual ingredients used during manufacturing, refer to the appropriate safety data sheet for each ingredient.
Recommended restrictions	No other uses are advised.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer	

GlaxoSmithKline US
5 Moore Drive
Research Triangle Park, NC 27709 USA
US General Information (normal business hours): +1-888-825-5249
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TRANSPORT EMERGENCIES::
US / International toll call +1 703 527 3887
available 24 hrs/7 days; multi-language response

2. Hazard(s) identification

Classified hazards	Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.
Label elements	Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.
Hazard(s) not otherwise classified (HNOC)	Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

3. Composition/information on ingredients

Mixtures

Hazardous components			
Chemical name	Common name and synonyms	CAS number	%
PHARMACEUTICAL GRADE PETROLATUM	PETROLEUM JELLY VASELINE WHITE PETROLEUM JELLY WHITE PETROLEUM USP OHS18325 RTECS SE6780000 PETROLATO PETROLATO (PETROLIO) PETROLATOS PETROLATUM PRETOLATO PÉTROLATUM VASELIINI VASELIN VASELINA	8009-03-8	25.0 - 30.0
LIGHT MINERAL OIL	OHS12791 RTECS PY8047000	8042-47-5	15.0 - 30.0
SODIUM CARBOXYMETHYL CELLULOSE	CELLULOSE, CARBOXYMETHYL ETHER, SODIUM SALT CELLULOSE SODIUM GLYCOLATE SODIUM CELLULOSE GLYCOLATE SODIUM GLYCOLATE CELLULOSE CARBOXYMETHYLCELLULOSE SODIUM CARBOXYMETHYLCELLULOSE SODIUM SALT ALMELOSE CMC-NA CMC CARBOXYMETHYL CELLULOSE SODIUM CARBOXYMETHYLCELLULOSE AQUALON(R) CELLULOSE GUM AQUACIDE II OHS80080 RTECS FJ5950000 CELLULOSE CARBOXY METHYL ETHER, SODIUM SALT	9004-32-4	0 - 34.0
MALEIC ACID, POLYMER WITH METHYL VINYL ETHER	2-BUTENEDIOIC ACID (Z)-, POLYMER WITH METHOXYETHENE METHYL VINYL ETHER/MALEIC ACID COPOLYMER GANTREZ HY-H OHS62348	25153-40-6	0 - 30.0
METHYL VINYL ETHER-MALEIC ANHYDRIDE COPOLYMER	2,5-FURANDIONE, POLYMER WITH METHOXYETHENE MALEIC ANHYDRIDE, POLYMER WITH METHYL VINYL ETHER POLY(VINYL METHYL ETHER/MALEIC ANHYDRIDE) GAFTEX PT GANTREZ 119 GANTREZ 149 GANTREZ 169 PVM/MA COPOLYMER VISCOFAS OHS69586	9011-16-9	0 - 30.0
POLY(METHYLVINYLETHE R/MALEIC ACID) SODIUM-CALCIUM MIXED PARTIAL SALT	SODIUM, CALCIUM METHYL VINYL ETHER MALEIC ACID MIXED SALT FORMULA NO: M801886	62386-95-2	0 - 30.0

Hazardous components	Common name and synonyms	CAS number	%
Chemical name CARBOXYMETHYLCELLULOSE	CARBOXYMETHYLATED CELLULOSE PUL CARBOXYMETHYL CELLULOSE ETHER CELLULOSE CARBOXYMETHYLATE CELLULOSEGLYCOLIC ACID GLYCOLIC ACID CELLULOSE ETHER CELLULOSE, CARBOXYMETHYL ETHER CELLULOSE CARBOXYMETHYLATE ETHE CMC CARBOSE CM-CELLULOSE COLLORESINE THYLOSE CARBOXYMETHYL CELLULOSE OHS84039 RTECS FJ5700000	9000-11-7	0 - 24.0
OIL OF SPEARMINT	OILS, SPEARMINT CURLED MINT OIL SPEARMINT OIL	8008-79-5	0 - 1.0
Other components below reportable levels			0 - <7.0

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	In the event of fire, cool tanks with water spray. Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Specific methods	Move containers from fire area if you can do so without risk.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat and sources of ignition. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the MSDS).

8. Exposure controls/personal protection

Occupational exposure limits

GSK

Components

Components	Type	Value	Note
CARBOXYMETHYLCELLULOSE (CAS 9000-11-7)	OHC	1	
POLY(METHYLVINYLETHYLENE/MALEIC ACID) SODIUM-CALCIUM MIXED PARTIAL SALT (CAS 62386-95-2)	OHC	1	1000-5000 mcg/m3
SODIUM CARBOXYMETHYL CELLULOSE (CAS 9004-32-4)	OHC	1	

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components

Components	Type	Value	Form
LIGHT MINERAL OIL (CAS 8042-47-5)	PEL	5 mg/m3	Mist.
PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)	PEL	5 mg/m3	Mist.

US. ACGIH Threshold Limit Values

Components

Components	Type	Value	Form
LIGHT MINERAL OIL (CAS 8042-47-5)	TWA	5 mg/m3	Inhalable fraction.
PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)	TWA	5 mg/m3	Inhalable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components

Components	Type	Value	Form
LIGHT MINERAL OIL (CAS 8042-47-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection

Chemical goggles are recommended.

Hand protection

Use personal protective equipment as required.

Other

Use personal protective equipment as required.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Cream.
Color	Not available.

Odor Not available.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

10. Stability and reactivity

Reactivity Not available.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

11. Toxicological information

Information on likely routes of exposure

Ingestion Expected to be a low ingestion hazard.

Inhalation Prolonged inhalation may be harmful.

Skin contact Not available.

Eye contact Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
CARBOXYMETHYLCELLULOSE (CAS 9000-11-7)		
Acute		
<i>Oral</i>		
LD	Rat	> 5 g/kg
LIGHT MINERAL OIL (CAS 8042-47-5)		
Acute		
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
OIL OF SPEARMINT (CAS 8008-79-5)		
Acute		
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)		
Acute		
<i>Oral</i>		
LD50	Rat	> 15 g/kg
Chronic		
<i>Oral</i>		
NOAEL	Rat	>= 3000, 2 years
POLY(METHYLVINYLEETHER/MALEIC ACID) SODIUM-CALCIUM MIXED PARTIAL SALT (CAS 62386-95-2)		
Acute		
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg/day, Read across from similar polymers

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Irritation Corrosion - Skin

POLY(METHYLVINYLEETHER/MALEIC ACID) SODIUM-CALCIUM MIXED PARTIAL SALT
 Read across from similar polymers
 Result: Non-irritant

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Eye

POLY(METHYLVINYLEETHER/MALEIC ACID) SODIUM-CALCIUM MIXED PARTIAL SALT
 Read across from similar polymers
 Result: Minimal Irritant

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Maximisation assay (Magnusson and Kligman)

CARBOXYMETHYLCELLULOSE Result:

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

POLY(METHYLVINYLEETHER/MALEIC ACID) SODIUM-CALCIUM MIXED PARTIAL SALT
 Read across from similar polymers
 Result: Not considered to be genotoxic

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

PHARMACEUTICAL GRADE PETROLATUM
 >= 3000 mg/kg/day oral
 Result: NOAEL
 Species: Rat
 dermal
 Result: Negative
 Species: Mouse

IARC Monographs. Overall Evaluation of Carcinogenicity

LIGHT MINERAL OIL (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not likely, due to the form of the product.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
CARBOXYMETHYLCELLULOSE (CAS 9000-11-7)			
<i>Acute</i>			
	IC50	Activated sludge	> 1000 mg/l, 3 hours
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	> 100 mg/l, 48 hours, Static test
	NOEC	Water flea (Daphnia magna)	100 mg/l, 48 hours, Static test
Fish	EC50	Rainbow trout (Adult Oncorhynchus mykiss)	> 20000 mg/l, 96 hours, Static test
SODIUM CARBOXYMETHYL CELLULOSE (CAS 9004-32-4)			
<i>Acute</i>			
	IC50	Activated sludge	> 1000 mg/l, 3 hours
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	> 100 mg/l, 48 hours, Static test
	NOEC	Water flea (Daphnia magna)	100 mg/l, 48 hours, Static test
Fish	EC50	Rainbow trout (Adult Oncorhynchus mykiss)	> 20000 mg/l, 96 hours, Static test

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Photolysis

Half-life (Photolysis-atmospheric)

LIGHT MINERAL OIL

< 1 Days Estimated

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects Not available.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as a dangerous good.

IATA

Not regulated as a dangerous good.

IMDG

Not regulated as a dangerous good.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code MARPOL Annex II applies to liquids used in a ship's operation that pose a threat to the marine environment. These materials may not be transported in bulk.

15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

SARA 304 Emergency release notification

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

NFPA ratings
Health: 1
Flammability: 1
Instability: 0

HMIS® ratings
Health: 1
Flammability: 1
Physical hazard: 0

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

LIGHT MINERAL OIL (CAS 8042-47-5)
PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

LIGHT MINERAL OIL (CAS 8042-47-5)
PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	02-25-2014
Revision date	02-25-2014
Version #	04
Further information	HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 1 Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 1 Flammability: 1 Instability: 0
References	GSK Hazard Determination
Disclaimer	The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.
Revision Information	Product and Company Identification: Synonyms Composition / Information on Ingredients: Undisclosed Ingredient Statement