SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Trade name MIRACARE 2MHT

1.2 Relevant identified uses of the substance or mixture and uses advised against

Uses of the Substance / Mixture

- Surfactants for various applications
- Surfactants used in cosmetics

1.3 Details of the supplier of the safety data sheet

Company

Solvay USA Inc.,
NOVECARE
504 Carnegie Center
Princeton, NJ, 08540, US
Telephone Number: 800-973-7873

1.4 Emergency telephone

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

SECTION 2: Hazards identification

Although OSHA has not adopted the environmental portion of the GHS regulations, this document may include information on environmental effects.

2.1 Classification of the substance or mixture

HCS 2012 (29 CFR 1910.1200)

Flammable liquids, Category 4	H227: Combustible liquid.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.

2.2 Label elements

HCS 2012 (29 CFR 1910.1200)

Pictogram

Signal Word

- Danger

Hazard Statements

- H227	Combustible liquid.
- H315	Causes skin irritation.
- H318	Causes serious eye damage.

Precautionary Statements

Prevention

- P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P264	Wash skin thoroughly after handling.
- P280	Wear protective gloves/ eye protection/ face protection.

Response

- P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
- P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
- P332 + P313	If skin irritation occurs: Get medical advice/ attention.
- P362	Take off contaminated clothing and wash before reuse.
- P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage

- P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal

- P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards which do not result in classification

- H401: Toxic to aquatic life.

- In use, may form flammable/explosive vapor-air mixture.
- Risk of explosion if heated under confinement.
- On combustion, toxic gases are released.
- Hazardous reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-Reactivity").

SECTION 3: Composition/information on ingredients

3.1 Substance

- Not applicable, this product is a mixture.

3.2 Mixture

- Chemical nature Mixture of surfactants

Hazardous Ingredients and Impurities

Chemical name	Identification number CAS-No.	Concentration [%]
Sodium Lauroampho Acetate	68608-66-2	>= 15 - < 20
Sodium Tridecyl Ether Sulfate	25446-78-0	>= 10 - < 15
Hexylene Glycol	107-41-5	>= 5 - < 10
Isopropyl Alcohol	67-63-0	>= 1 - < 5

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Non Hazardous Ingredients and Impurities

Chemical name	Identification number CAS-No.	Concentration [%]
Water/Inerts	*****	40- 70

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

- Show this material safety data sheet to the doctor in attendance.
- First responder needs to protect himself.
- Place affected apparel in a sealed bag for subsequent decontamination.

In case of inhalation

- If inhaled, remove to fresh air.
- Consult a physician if necessary.

In case of skin contact

- Take off contaminated clothing and shoes immediately.
- Wash off with plenty of water.
- Wash immediately and thoroughly for a prolonged period (at least 15 minutes).
- Call a physician if irritation develops or persists.

In case of eye contact

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Get immediate medical advice/ attention.

In case of ingestion

- If victim is conscious:
- Rinse mouth with water.
- Keep at rest.

- Do not induce vomiting without medical advice.
- Do not leave the victim unattended.
- Vomiting may occur spontaneously
- Risk of product entering the lungs on vomiting after ingestion.
- Lay victim on side.
- Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Effects

- Skin contact may aggravate existing skin disease
- Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

- Treat symptomatically.
- There is no specific antidote available.

SECTION 5: Firefighting measures

Flash point	144 °F (62 °C) closed cup Flammability class: Combustible
Autoignition temperature	> 752 °F (> 400 °C)
Flammability / Explosive limit	Lower flammability/explosion limit : 2.00 %(V) , estimated Upper flammability/explosion limit : 12.00 %(V) , estimated

5.1 Extinguishing media

Suitable extinguishing media

- Dry chemical
- Carbon dioxide (CO2)
- Foam
- Water spray

Unsuitable extinguishing media

- High volume water jet
- (frothing possible)

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting

- Under fire conditions:
- Will burn
- Vapors may spread long distances and ignite.
- On heating there is a risk of a buildup of pressure in hermetically sealed containers or tanks.
- Hazardous decomposition products formed under fire conditions.

Hazardous combustion products:

- On combustion or on thermal decomposition (pyrolysis), releases:
- Carbon oxides
- Nitrogen oxides (NOx)

- Sulfur oxides
- Hydrogen chloride

5.3 Advice for firefighters

Special protective equipment for fire-fighters

- Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Specific fire fighting methods

- Cool containers/tanks with water spray.
- Do not use a solid water stream as it may scatter and spread fire.

Further information

- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid contact with eyes, skin, and respiratory system.
- Keep away from flames and sparks.
- Remove all sources of ignition.
- Ventilate the area.

- Wear suitable protective equipment.
- For personal protection see section 8.

- Stop the leak and if possible, avoid any contact with skin and apparel.

6.2 Environmental precautions

- Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.
- Do not flush into surface water or sanitary sewer system.
- Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies

6.3 Methods and materials for containment and cleaning up

Methods for containment

- Keep in properly labeled containers.
- Keep in suitable, closed containers for disposal.

Recovery

- Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
- Sweep up or vacuum up spillage and collect in suitable container for disposal.
- Never return spills in original containers for re-use.

Decontamination / cleaning

- Wash with plenty of water and detergent.
- Wash nonrecoverable remainder with large amounts of water.
- Recover the cleaning water for subsequent disposal.
- Decontaminate tools, equipment and personal protective equipment in a segregated area.

Disposal

- Dispose of in accordance with local regulations.

Additional advice

- Material can create slippery conditions.

6.4 Reference to other sections

- no data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Vapor extraction at source
- Use explosion-proof electrical/ ventilating/ lighting/ equipment.

- Non-sparking tools should be used.
- Ensure all equipment is electrically grounded before beginning transfer operations.

- Provide adequate ventilation.
- Handle in accordance with good industrial hygiene and safety practice.
- Avoid the formation or spread of mists in the atmosphere.
- Avoid contact with the skin and the eyes.
- Take precautionary measures against static discharges.
- Prevent the build-up of electrostatic charge.
- Store away from heat.

- Handle in accordance with good industrial hygiene and safety practice.
- Avoid splashes.
- Avoid inhalation, ingestion and contact with skin and eyes.

- Do not freeze.
- Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.
- To safely melt this material, use low pressure steam or place in a heated room
- Avoid localized overheating.
- Vent drums while heating
- Mix thoroughly before use.

- Ethylene oxide may collect in container head space.
- Provide adequate ventilation.

Hygiene measures

- Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials:
- 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

- Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.
- Keep container tightly closed in a dry and well-ventilated place.
- Keep away from incompatible materials to be indicated by the manufacturer
- Keep away from open flames, hot surfaces and sources of ignition.
- Keep away from direct sunlight.
- Keep away from: Strong acids, Strong bases, Strong oxidizing agents, Strong reducing agents.

Requirements for storage rooms and vessels

Recommended storage temperature: 50 - 120 °F (10 - 49 °C)

- Low pressure steam or a water bath may be used to melt solidified material
- For further information, refer to section 10: "Stability and Reactivity."

7.3 Specific end use(s)

- no data available

SECTION 8: Exposure controls/personal protection

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

8.1 Control parameters

Components with workplace occupational exposure limits

Ingredients	Value type	Value	Basis
Hexylene Glycol	C	25 ppm 125 mg/m3	National Institute for Occupational Safety and Health
Hexylene Glycol	C	25 ppm	American Conference of Governmental Industrial Hygienists
Isopropyl Alcohol	TWA	200 ppm	American Conference of Governmental Industrial Hygienists
Isopropyl Alcohol	STEL	400 ppm	American Conference of Governmental Industrial Hygienists
Isopropyl Alcohol	TWA	400 ppm 980 mg/m3	National Institute for Occupational Safety and Health
Isopropyl Alcohol	ST	500 ppm 1,225 mg/m3	National Institute for Occupational Safety and Health

Isopropyl Alcohol	TWA	400 ppm 980 mg/m3	Occupational Safety and Health Administration - Table Z-1 Limits for Air Contaminants
	The value in mg/m3 is approximate.		
Isopropyl Alcohol	PEL	400 ppm 980 mg/m3	
Isopropyl Alcohol	STEL	500 ppm 1,225 mg/m3	

Hazardous components without workplace control parameters

Chemical name	Identification number CAS-No.	Exposure Limit Values
Sodium Lauroampho Acetate	68608-66-2	None
Sodium Tridecyl Ether Sulfate	25446-78-0	None

NIOSH IDLH (Immediately Dangerous to Life or Health Concentrations)

Ingredients	CAS-No.	Concentration
Isopropyl Alcohol	67-63-0	2000 ppm

Biological Exposure Indices

Ingredients	Value type	Value	Basis
Isopropyl Alcohol	BEI	40 mg/l Acetone Urine End of shift at end of workweek	American Conference of Governmental Industrial Hygienists

8.2 Exposure controls

Control measures

Engineering measures

- Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures :

- Effective exhaust ventilation system

- Extract at emission point.
- Avoid splashes.
- Provide adequate ventilation.

Individual protection measures

Respiratory protection

- When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.
- Use a respirator with an approved filter if a risk assessment indicates this is necessary.

Hand protection

- Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- Where there is a risk of contact with hands, use appropriate gloves
- Gloves must be inspected prior to use.
- Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection

- Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.
- Eye contact should be prevented through the use of:

- Safety glasses with side-shields

Skin and body protection

- Preventive skin protection
- Impervious clothing
- Footwear protecting against chemicals

- Protective suit

- Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

- Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials:
- 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

Protective measures

- Emergency equipment immediately accessible, with instructions for use.
- Ensure that eyewash stations and safety showers are close to the workstation location.
- Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards, and/or risks that may occur during use.

- The protective equipment must be selected in accordance with current local standards and in cooperation with the supplier of the protective equipment.

SECTION 9: Physical and chemical properties

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

9.1 Information on basic physical and chemical properties

Appearance	Form:	liquid
	Physical state:	liquid
	Color:	yellow
Odor		very faint

Odor Threshold	no data available
pH	8.0 - 8.5 (20 % (m / m)) Aqueous solution
Melting point/freezing point	Freezing point: < 32 °F (< 0 °C)
Initial boiling point and boiling range	Boiling point/boiling range: 216 °F (102 °C)
Flash point	144 °F (62 °C) closed cup Flammability class: Combustible
Evaporation rate (Butylacetate = 1)	no data available
Flammability (liquids)	Combustible liquid.
Flammability / Explosive limit	Lower flammability/explosion limit: 2.00 %(V) estimated Upper flammability/explosion limit: 12.00 %(V) estimated
Autoignition temperature	> 752 °F (> 400 °C) Auto-ignition temperature (liquids and gases) Method: EU Test Guideline A15
Vapor pressure	no data available
Vapor density	no data available
Density	ca. 1.09 g/cm3
Relative density	no data available
Solubility	Water solubility: soluble Solubility in other solvents: water miscible solvents : soluble
Partition coefficient: n-octanol/water	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	Not considered as oxidizing., Structure-activity relationship (SAR)

9.2 Other information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

- Stable at normal ambient temperature and pressure.

10.2 Chemical stability

- Stable under recommended storage conditions.

- Stable under recommended storage conditions.
- See chapter
- 7. HANDLING AND STORAGE

10.3 Possibility of hazardous reactions

- No dangerous reaction known under conditions of normal use.

polymerization
- Hazardous polymerization does not occur.

10.4 Conditions to avoid

- Keep away from heat and sources of ignition.
- Keep away from flames and sparks.

10.5 Incompatible materials

- Strong acids
- Strong bases
- Strong oxidizing agents
- Strong reducing agents

10.6 Hazardous decomposition products

- At moderate temperatures, releases:
- flammable vapors which may generate fire or explosion hazards

- On combustion or on thermal decomposition (pyrolysis), releases:
- Hydrogen chloride
- Nitrogen oxides (NOx)
- Sulfur oxides
- (Carbon oxides (CO + CO2)).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity	LD50 : > 10,900 mg/kg - Mouse Not classified as hazardous for acute oral toxicity according to GHS. Unpublished internal reports
Acute inhalation toxicity	Not classified as hazardous for acute inhalation toxicity according to GHS.

According to the available data on the components
According to the classification criteria for mixtures.

Acute dermal toxicity

Not classified as hazardous for acute dermal toxicity according to GHS.
According to the available data on the components
According to the classification criteria for mixtures.

Acute toxicity (other routes of administration)

no data available

Skin corrosion/irritation

Irritating to skin.
According to the available data on the components
According to the classification criteria for mixtures.

Serious eye damage/eye irritation

Risk of serious damage to eyes.
According to the available data on the components
According to the classification criteria for mixtures.

Respiratory or skin sensitization

Does not cause skin sensitization.
According to the available data on the components
According to the classification criteria for mixtures.

Does not cause respiratory sensitization.
According to the available data on the components
According to the classification criteria for mixtures.

Mutagenicity

Genotoxicity in vitro

According to the available data on the components
Product is not considered to be genotoxic
According to the classification criteria for mixtures.

Genotoxicity in vivo

According to the available data on the components
Product is not considered to be genotoxic
According to the classification criteria for mixtures.

Carcinogenicity

According to the available data on the components
The product is not considered to be carcinogenic.
According to the classification criteria for mixtures.

This product does not contain any ingredient designated as probable or suspected human carcinogens by:

NTP
IARC
OSHA
ACGIH

Toxicity for reproduction and development

Toxicity to reproduction / fertility

According to the available data on the components, The product is not considered to affect fertility., According to the classification criteria for mixtures.

Developmental Toxicity/Teratogenicity

According to the available data on the components, The product is not considered

to be toxic for development., The product is not considered to be teratogenic., According to the classification criteria for mixtures.

STOT

STOT-single exposure	The substance or mixture is not classified as specific target organ toxicant, single exposure according to GHS criteria. According to the classification criteria for mixtures.
STOT-repeated exposure	The substance or mixture is not classified as specific target organ toxicant, repeated exposure according to GHS criteria. According to the classification criteria for mixtures. The product itself has not been tested.
Experience with human exposure	no data available
Aspiration toxicity	No aspiration toxicity classification

SECTION 12: Ecological information

12.1 Toxicity

Aquatic Compartment

Acute toxicity to fish	The product itself has not been tested.
Acute toxicity to daphnia and other aquatic invertebrates.	The product itself has not been tested.
Toxicity to aquatic plants	The product itself has not been tested.
Toxicity to microorganisms	The product itself has not been tested.
Chronic toxicity to fish	The product itself has not been tested.
Chronic toxicity to daphnia and other aquatic invertebrates.	The product itself has not been tested.
Chronic Toxicity to aquatic plants	The product itself has not been tested.

Terrestrial Compartment

Toxicity to terrestrial plants	The product itself has not been tested.
Toxicity to above ground organisms	The product itself has not been tested.

12.2 Persistence and degradability

Abiotic degradation	no data available
Physical- and photo-chemical elimination	no data available
Biodegradation	no data available
Degradability assessment	Conclusion is not possible due to incomplete or heterogeneous data on the components

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water	no data available
Bioconcentration factor (BCF)	According to the available data on the components None of the components are considered to be potentially bioaccumulable

12.4 Mobility in soil

Adsorption potential (Koc)	Conclusion is not possible due to incomplete or heterogeneous data on the components
Known distribution to environmental compartments	Ultimate destination of the product: Water

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Ecotoxicity assessment

Acute aquatic toxicity	According to the available data on the components Toxic to aquatic life. According to the classification criteria for mixtures.
Chronic aquatic toxicity	According to the available data on the components Does not have any known long term adverse effects on the aquatic organisms tested According to the classification criteria for mixtures.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Disposal

- Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Prohibition

- Should not be released into the environment.
- Do not let product enter drains.

Waste Code

- Environmental Protection Agency
- Hazardous Waste – NO

Advice on cleaning and disposal of packaging

- Empty the packaging completely prior to disposal.
- Completely empty the packaging prior to decontamination.
- Carefully drain and then steam clean.
- Offer rinsed packaging material to local recycling facilities.

- Dispose of in accordance with local regulations.

SECTION 14: Transport information

Transportation status: IMPORTANT! Statements below provide additional data on listed transport classification.
The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

DOT

14.1 UN number	NA 1993
14.2 Proper shipping name	COMBUSTIBLE LIQUID, N.O.S. (ISOPROPANOL)
14.3 Transport hazard class	Combustible liquid.
14.4 Packing group	
Packing group	III
ERG No	128
14.5 Environmental hazards	NO
Marine pollutant	

14.6 Special precautions for user

Remarks : The combustible liquid classification only applies when shipped in package sizes >119 gallons.

TDG

not regulated

NOM
no data available

IMDG
not regulated

IATA
not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15: Regulatory information

15.1 Notification status

Inventory Information	Status
United States TSCA Inventory	- On TSCA Inventory
Canadian Domestic Substances List (DSL)	- All components of this product are on the Canadian DSL
Australia Inventory of Chemical Substances (AICS)	- On the inventory, or in compliance with the inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	- On the inventory, or in compliance with the inventory
Korea. Korean Existing Chemicals Inventory (KECI)	- On the inventory, or in compliance with the inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	- On the inventory, or in compliance with the inventory

Additional Information

- for USA Inventory (TSCA) purposes, components of this product are identified as: Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C11-14-isoalkyl ethers, C13-rich, sodium salts (CAS-No. : 78330-30-0)

15.2 Federal Regulations

US. EPA EPCRA SARA Title III

SARA HAZARD DESIGNATION SECTIONS 311/312 (40 CFR 370)

Fire Hazard	yes
Reactivity Hazard	no
Sudden Release of Pressure Hazard	no
Acute Health Hazard	yes
Chronic Health Hazard	no

Section 313 Toxic Chemicals (40 CFR 372.65)
The following components are subject to reporting levels established by SARA Title III, Section 313:

Ingredients	CAS-No.	Concentration
Isopropyl Alcohol	67-63-0	2.27 %

Section 302 Emergency Planning Extremely Hazardous Substance Threshold Planning Quantity (40 CFR 355)
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section 302 Emergency Planning Extremely Hazardous Substance Reportable Quantity (40 CFR 355)

Ingredients	CAS-No.	Reportable quantity
Ethylene Oxide	75-21-8	10 lb

Section 304 Emergency Release Notification Reportable Quantity (40 CFR 355)

Ingredients	CAS-No.	Reportable quantity
Ethylene Oxide	75-21-8	10 lb

US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)

Ingredients	CAS-No.	Reportable quantity
Ethylene Oxide	75-21-8	10 lb
1,4-Dioxane	123-91-1	100 lb

15.3 State Regulations

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

WARNING! This product contains a chemical known in the State of California to cause cancer.

Ingredients	CAS-No.
Ethylene Oxide	75-21-8
Acetic acid, 2,2-dichloro-	79-43-6
1,4-Dioxane	123-91-1

WARNING: This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

Ingredients	CAS-No.
Ethylene Oxide	75-21-8
Acetic acid, 2,2-dichloro-	79-43-6

SECTION 16: Other information

NFPA (National Fire Protection Association) - Classification

Health	2 moderate
Flammability	2 moderate
Instability or Reactivity	0 minimal

HMIS (Hazardous Materials Identification System (Paint & Coating)) - Classification

Health	2 moderate
Flammability	2 moderate
Reactivity	0 minimal
PPE	Determined by User; dependent on local conditions

Further information

- Product evaluated under the US GHS format.

Date Prepared: 08/29/2017

Key or legend to abbreviations and acronyms used in the safety data sheet

- C	Ceiling limit
- PEL	Permissible exposure limit
- ST	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
- STEL	Short term exposure limit
- TWA	8-hour, time-weighted average
- ACGIH	American Conference of Governmental Industrial Hygienists
- OSHA	Occupational Safety and Health Administration
- NTP	National Toxicology Program
- IARC	International Agency for Research on Cancer
- NIOSH	National Institute for Occupational Safety and Health