

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

### 1.1 Product identifier

- Trade name NP-4

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

#### Uses of the Substance / Mixture

- Surfactant

### 1.3 Details of the distributor of the safety data sheet

#### Company

Silver Fern Chemical, Inc.  
2226 Queen Anne Avenue North  
Seattle WA 98109, USA  
Customer Service: 1-866-282-3384  
info@silverfernchemical.com

### 1.4 24 Hour Emergency Contact

Infotrac 1-800-535-5053 (USA & Canada)  
Outside USA & Canada 1-352-323-3500

## 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)

Skin irritation, Category 2  
Eye irritation, Category 2B

H315: Causes skin irritation.  
H320: Causes eye irritation.

### 2.2 Label elements

#### HCS 2012 (29 CFR 1910.1200)

#### Pictogram



#### Signal Word

- Warning

#### Hazard Statements

- H315 + H320 Causes skin and eye irritation.

#### Precautionary Statements

##### Prevention

- P264 Wash skin thoroughly after handling.
- P280 Wear protective gloves.

**Response**

- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332 + P313 If skin irritation occurs: Get medical advice/ attention.
- P337 + P313 If eye irritation persists: Get medical advice/ attention.
- P362 Take off contaminated clothing and wash before reuse.

**2.3 Other hazards which do not result in classification**

- H401: Toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.

**SECTION 3: Composition/information on ingredients****3.1 Substance****Hazardous Ingredients and Impurities**

Chemical name	Identification number CAS-No.	Concentration [%]
Ethoxylated Nonylphenol, Branched	68412-54-4	>= 99 - <= 100

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

**3.2 Mixture**

- Not applicable, this product is a substance.

**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**

- Negligible or unlikely exposure pathways
- Move to fresh air in case of accidental inhalation of vapors.
- Consult a physician if necessary.

**In case of skin contact**

- In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Seek medical advice.
- Wash contaminated clothing before reuse.

**In case of eye contact**

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

**In case of ingestion**

- Do not induce vomiting without medical advice.
- If victim is conscious:
- Rinse mouth with water.
- Keep at rest.
- Do not give anything to drink.
- 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** 360.00 °F (182.22 °C)  
Pensky-Martens closed cup

Flammability class: Will burn

**Autoignition temperature** No data available

**Flammability / Explosive limit** No data available

**5.1 Extinguishing media****Suitable extinguishing media**

- Water spray
- Foam
- Carbon dioxide (CO<sub>2</sub>)
- Multipurpose powders

**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
- Hazardous decomposition products formed under fire conditions.

**Hazardous combustion products:**

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

**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.
- Wear full protective clothing and self-contained breathing apparatus.
- Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

**Specific fire fighting methods**

- Do not use a solid water stream as it may scatter and spread fire.

**Further information**

- Standard procedure for chemical fires.
- 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**

- For further information refer to section 8 "Exposure controls / personal protection."

**6.2 Environmental precautions**

- Contain the spilled material by diking.
- Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.
- Do not flush into surface water or sanitary sewer system.
- Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.
- 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***

- Stop leak if safe to do so.

***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).
- Shovel or sweep up.
- Never return spills in original containers for re-use.
- Keep in properly labeled containers.
- Keep in suitable, closed containers for disposal.



***Decontamination / cleaning***

- Wash nonrecoverable remainder with large amounts of water.
- Clean contaminated surface thoroughly.
- 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**

- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 13. DISPOSAL CONSIDERATIONS

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- Ethylene oxide may collect in container head space.
- Provide adequate ventilation.
- Handle in accordance with good industrial hygiene and safety practice.
- Avoid inhalation of vapor or mist.
- Avoid contact with skin and eyes.

**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.
- The user is responsible for monitoring the working environment in accordance with local laws and regulations.

**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.
- Stable under normal conditions.
- Keep in a dry, cool and well-ventilated place.
- Keep container tightly closed.
- Keep away from open flames, hot surfaces and sources of ignition.
- Keep away from incompatible materials to be indicated by the manufacturer
- Keep away from: Hazardous reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-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**

- Contains no substances with occupational exposure limit values.

**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.

**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**

- 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.
- 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.

**Suitable material**

- Neoprene gloves

**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
  - In case of contact through splashing:
    - Face-shield

**Skin and body protection**

- Recommended preventive skin protection
- Footwear protecting against chemicals
- Impervious clothing
- Full 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.
- The user is responsible for monitoring the working environment in accordance with local laws and regulations.

**Protective measures**

- Ensure that eyewash stations and safety showers are close to the workstation location.
- Emergency equipment immediately accessible, with instructions for use.
- 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 regulations 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: clear  
Physical state: liquid  
Color: pale

**Odor**

mild

**Odor Threshold**

No data available



<b><u>pH</u></b>	6.5 - 7.5
<b><u>Melting point/freezing point</u></b>	<u>Melting point/freezing point</u> : 21 °F (-6 °C)
<b><u>Initial boiling point and boiling range</u></b>	No data available
<b><u>Flash point</u></b>	360.00 °F (182.22 °C) Pensky-Martens closed cup  Flammability class: Will burn
<b><u>Evaporation rate (Butylacetate = 1)</u></b>	No data available
<b><u>Flammability (solid, gas)</u></b>	No data available
<b><u>Flammability (liquids)</u></b>	No data available
<b><u>Flammability / Explosive limit</u></b>	No data available
<b><u>Autoignition temperature</u></b>	No data available
<b><u>Vapor pressure</u></b>	< 0.98 mmHg (1.30 hPa)
<b><u>Vapor density</u></b>	No data available
<b><u>Density</u></b>	1.02 g/cm <sup>3</sup> ( 77 °F (25 °C))
<b><u>Relative density</u></b>	No data available
<b><u>Solubility</u></b>	<u>Water solubility</u> : insoluble  <u>Solubility in other solvents</u> : Alcohols : soluble  Aromatic hydrocarbons : soluble  xylene : soluble  Toluene : soluble
<b><u>Partition coefficient: n-octanol/water</u></b>	No data available
<b><u>Decomposition temperature</u></b>	No data available
<b><u>Viscosity</u></b>	<u>Viscosity, kinematic</u> : 10.80 mm <sup>2</sup> /s
<b><u>Explosive properties</u></b>	No data available
<b><u>Oxidizing properties</u></b>	No data available

**9.2 Other information**

No data available





**SECTION 10: Stability and reactivity****10.1 Reactivity**

- no data available

**10.2 Chemical stability**

- Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions****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**

- no data available

**10.6 Hazardous decomposition products****Hazardous decomposition products**

- On combustion or on thermal decomposition (pyrolysis), releases:
- (Carbon oxides (CO + CO<sub>2</sub>)).

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Acute oral toxicity**

Ethoxylated Nonylphenol, Branched

LD50 : > 5,000 mg/kg - Rat  
 Not classified as hazardous for acute oral toxicity according to GHS.  
 Gavage  
 Unpublished internal reports

LD50: > 5,000 mg/kg - Guinea pig  
 Not classified as hazardous for acute oral toxicity according to GHS.  
 Gavage  
 Unpublished internal reports

**Acute inhalation toxicity**

Ethoxylated Nonylphenol, Branched

No data available

**Acute dermal toxicity**

Ethoxylated Nonylphenol, Branched

category approach

Not classified as hazardous for acute dermal toxicity according to GHS.  
 CESIO

**Acute toxicity (other routes of administration)**

No data available



**Skin corrosion/irritation**

Ethoxylated Nonylphenol, Branched	Rabbit Irritating to skin. Method: Draize Test Unpublished internal reports CESIO
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**Serious eye damage/eye irritation**

Ethoxylated Nonylphenol, Branched	Mild eye irritation CESIO
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**Respiratory or skin sensitization**

Ethoxylated Nonylphenol, Branched	category approach The product is not considered to be sensitizing by skin contact.
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**Mutagenicity****Genotoxicity in vitro**

Ethoxylated Nonylphenol, Branched	category approach Product is not considered to be genotoxic
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**Genotoxicity in vivo**

No data available
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**Carcinogenicity**

Ethoxylated Nonylphenol, Branched	Rat  Dog  category approach The product is not considered to be carcinogenic.
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This product does not contain any ingredient designated as probable or suspected human carcinogens by:

NTP  
IARC  
OSHA

**Toxicity for reproduction and development**

<b>Toxicity to reproduction / fertility</b>	No data available
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<b>Developmental Toxicity/Teratogenicity</b>	No data available
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**STOT****STOT-single exposure**

Ethoxylated Nonylphenol, Branched	Routes of exposure: Ingestion, Skin contact The substance or mixture is not classified as specific target organ toxicant, single exposure according to GHS criteria. internal evaluation
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**STOT-repeated exposure**

Ethoxylated Nonylphenol, Branched	<p>Routes of exposure: Ingestion  The substance or mixture is not classified as specific target organ toxicant, repeated exposure according to GHS criteria.  internal evaluation</p>
Ethoxylated Nonylphenol, Branched	<p>Oral 28 Days - Rat , male and female  Subacute toxicity  in food  Unpublished internal reports  No adverse effect has been observed in toxicity tests by repeated administration</p> <p>Oral 90 Days - Rat , male and female  NOAEL: 40 mg/kg  Subchronic toxicity  in food  Unpublished internal reports  Not considered to cause serious damage to health on repeated exposure</p> <p>Oral 90 Days - Dog , male and female  NOAEL: 40 mg/kg  Subchronic toxicity  in food  Unpublished internal reports  Not considered to cause serious damage to health on repeated exposure</p> <p>Oral 2 y - Rat , male and female  NOAEL: 200 mg/kg  Chronic exposure  in food  Unpublished internal reports  Not considered to cause serious damage to health on repeated exposure</p> <p>Oral 2 y - Dog , male and female  NOAEL: 40 mg/kg  Chronic exposure  in food  Unpublished internal reports  Not considered to cause serious damage to health on repeated exposure</p>
<b><u>Experience with human exposure</u></b>	No data available
<b><u>Aspiration toxicity</u></b>	No data available



**SECTION 12: Ecological information****12.1 Toxicity****Aquatic Compartment****Acute toxicity to fish**

Ethoxylated Nonylphenol, Branched      category approach  
CESIO  
Toxic to fish.

**Acute toxicity to daphnia and other aquatic invertebrates**

No data available

**Toxicity to aquatic plants**

Ethoxylated Nonylphenol, Branched      category approach  
CESIO  
Toxic to algae with long lasting effects.

**Toxicity to microorganisms**

No data available

**Chronic toxicity to fish**

No data available

**Chronic toxicity to daphnia and other aquatic invertebrates**

No data available

**12.2 Persistence and degradability****Abiotic degradation**

No data available

**Physical- and photo-chemical elimination**

No data available

**Biodegradation****Biodegradability**

Ethoxylated Nonylphenol, Branched      Ready biodegradability study:  
The substance does not fulfill the criteria for ready biodegradability and ultimate aerobic biodegradability  
category approach  
Expert judgment

**Degradability assessment**

Ethoxylated Nonylphenol, Branched      The product is not considered to be rapidly degradable in the environment

### 12.3 Bioaccumulative potential

**Partition coefficient: n-octanol/water**      No data available

**Bioconcentration factor (BCF)**

Ethoxylated Nonylphenol, Branched      category approach  
Expert judgment  
Not potentially bioaccumulable

### 12.4 Mobility in soil

**Adsorption potential (Koc)**      No data available

**Known distribution to environmental compartments**      No data available

### 12.5 Results of PBT and vPvB assessment

Ethoxylated Nonylphenol, Branched      Not classified as PBT substance.  
Not classified as vPvB.

### 12.6 Other adverse effects

#### Ecotoxicity assessment

**Short-term (acute) aquatic hazard**

Ethoxylated Nonylphenol, Branched      Toxic to aquatic life.

**Long-term (chronic) aquatic hazard**

Ethoxylated Nonylphenol, Branched      Toxic to aquatic life with long lasting effects.

## 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.

#### Waste Code

- Environmental Protection Agency
- Hazardous Waste – NO

#### Advice on cleaning and disposal of packaging

- Rinse with an appropriate solvent.
- 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**

<b>14.1 UN number</b>	UN 3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nonyl phenoxy (polyethyleneoxy) ethanol)
<b>14.3 Transport hazard class</b>	9
Label(s)	9
<b>14.4 Packing group</b>	
Packing group	III
ERG No	171
<b>14.5 Environmental hazards</b>	YES
<b>Marine pollutant</b>	Marine Pollutant

**TDG**

<b>14.1 UN number</b>	UN 3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nonyl phenoxy (polyethyleneoxy) ethanol)
<b>14.3 Transport hazard class</b>	9
Label(s)	9
<b>14.4 Packing group</b>	
Packing group	III
ERG No	171
<b>14.5 Environmental hazards</b>	YES
<b>Marine pollutant</b>	Marine Pollutant

**NOM**

<b>14.1 UN number</b>	UN 3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nonyl phenoxy (polyethyleneoxy) ethanol)
<b>14.3 Transport hazard class</b>	9
Label(s)	9
<b>14.4 Packing group</b>	
Packing group	III
ERG No	171



**14.5 Environmental hazards** YES  
**Marine pollutant**

**IMDG**

**14.1 UN number** UN 3082

**14.2 Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nonyl phenoxy (polyethyleneoxy) ethanol)  
 IMDG Code segregation group Not Relevant

**14.3 Transport hazard class** 9  
 Label(s) 9

**14.4 Packing group**  
 Packing group III

**14.5 Environmental hazards** YES  
**Marine pollutant**

**14.6 Special precautions for user**  
 EmS F-A , S-F

For personal protection see section 8.

**14.7 Transport in bulk vessels according to IMO instruments**  
 No data available

**IATA**

**14.1 UN number** UN 3082

**14.2 Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nonyl phenoxy (polyethyleneoxy) ethanol)

**14.3 Transport hazard class** 9  
 Label(s): 9

**14.4 Packing group**  
 Packing group III

Packing instruction (cargo aircraft) 964  
 Max net qty / pkg 450.00 L  
 Packing instruction (passenger aircraft) 964  
 Max net qty / pkg 450.00 L

**14.5 Environmental hazards** YES

**14.6 Special precautions for user**  
 For personal protection see section 8.

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**

<b>Inventory Information</b>	<b>Status</b>
United States TSCA Inventory	- All substances listed as active on the TSCA inventory
Canadian Domestic Substances List (DSL)	- Listed on Inventory
Australia Inventory of Chemical Substances (AICS)	- Listed on Inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	- Listed on Inventory
Korea. Korean Existing Chemicals Inventory (KECI)	- Listed on Inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	- Listed on Inventory
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	- Listed on Inventory
Taiwan Chemical Substance Inventory (TCSI)	- Listed on Inventory
New Zealand. Inventory of Chemical Substances	- All components are listed on the NZIOC inventory. The HSNO status of the product has not been assessed.
EU. European Registration, Evaluation, Authorisation and Restriction of Chemical (REACH)	- When purchased from a Solvay legal entity based in the EEA ("European Economic Area"), this product is compliant with the registration provisions of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt, and/or registered. When purchased from a legal entity outside of the EEA, please contact your local representative for additional information.

**15.2 Federal Regulations****US. EPA EPCRA SARA Title III****SARA HAZARD DESIGNATION SECTIONS 311/312 (40 CFR 370)**

Skin corrosion or irritation	Yes
Serious eye damage or eye irritation	Yes

The categories not mentioned are not relevant for the product.

**Section 313 Toxic Chemicals (40 CFR 372.65)**

The following components are subject to reporting levels established by SARA Title III, Section 313:

Components	CAS-No.	Concentration
Glycol Ethers	Not Assigned	<= 35%

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.



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

This material does not contain any components with a section 302 EHS TPQ.

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

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

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

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

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

Components	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)**

This product can expose you to chemicals including Ethylene Oxide (CAS # 75-21-8), 1,4-Dioxane (CAS # 123-91-1), which is/are known to the State of California to cause cancer, and

This product can expose you to chemicals including Ethylene Oxide (CAS # 75-21-8), which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**SECTION 16: Other information****NFPA (National Fire Protection Association) - Classification**

Health	1 slight
Flammability	1 slight
Instability or Reactivity	0 minimal

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

Health	1 slight
Flammability	1 slight
PPE	Determined by User; dependent on local conditions

**Date Prepared:** 08/03/2019

- 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

**DISCLAIMER OF RESPONSIBILITY**

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable

