

**SECTION 1 Identification****1.1. Product identifier**

Product form : Mixture  
Trade name : SU 311-14T  
Product code : TBB-31114T

**1.2. Other means of identification**

No additional information available

**1.3. Recommended use of the chemical and restrictions on use**

Use of the substance/mixture : Thermal barrier polymer (Part B)

**1.4. Supplier's details**

Azon USA Inc.  
2204 Ravine Rd  
Kalamazoo, Michigan 49004  
USA  
T 269-385-5942

**1.5. Emergency phone number**

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)  
CCN 2189  
Back-up Emergency Number: +1 703-741-5970 (Washington, DC)

**SECTION 2 Hazard Identification****2.1. Classification of the substance or mixture****GHS US classification**

Specific target organ toxicity — Repeated exposure, Category 2 H373 May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).

Full text of H statements : see section 16

**2.2. Label elements****GHS US labeling**

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning  
Hazard statements (GHS US) : H373 - May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation)  
Precautionary statements (GHS US) : Do not breathe mist, spray, vapors.  
Get medical advice or attention if you feel unwell.  
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Polyether Polyol	CAS-No.: 9082-00-2	35 – 45	Not classified
Diethylene Glycol-phthalic Anhydride Polymer	CAS-No.: 32472-85-8	10 – 20	Aquatic Chronic 3, H412
Glycerol propylene oxide	CAS-No.: 25791-96-2	15 – 20	Not classified
Diethylene glycol	CAS-No.: 111-46-6	5 – 15	Acute Tox. 4 (Oral), H302
Dipropylene glycol	CAS-No.: 25265-71-8	5 – 10	Not classified
Ethylene Glycol	CAS-No.: 107-21-1	2 – 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2B, H320 STOT RE 2, H373
Bis-(dimethylaminopropyl)methylamine	CAS-No.: 3855-32-1	< 2	Flam. Liq. 4, H227 Aquatic Chronic 3, H412
Bis(2-hydroxyethyl) (methylenedi-1,4-phenylene)biscarbamate	CAS-No.: No Data	< 2	Not classified
Bis[2-(2-hydroxyethoxy)ethyl] (methylenedi-1,4-phenylene)biscarbamate	CAS-No.: No Data	< 2	Not classified
1,4-Dioxane	CAS-No.: 123-91-1	< 0.1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Carc. 1B, H350 STOT SE 3, H335
Aniline	CAS-No.: 62-53-3	< 0.012	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 4 First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but, not mouth-to-mouth.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious: Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a physician immediately.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).
Symptoms/effects after skin contact	: May cause irritation to skin.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.
Chronic symptoms	: Prolonged and frequent exposure through inhalation may cause cancer. May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: IF exposed or concerned: Get medical advice/attention.
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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Carbon dioxide (CO <sub>2</sub> ), dry chemical powder, foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Reactivity in case of fire	: The product is non-reactive under normal conditions of use, storage and transport.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Nitrogen oxides.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 6 Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid all personal contact including breathing in the mist, spray, vapors. Do not take actions involving personal risks. Absorb spillage to prevent material-damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

##### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Evacuate the danger area. If possible without taking personal risks, remove ignition sources. If outdoors, move to an area upwind of the danger area. Prevent other non-emergency personnel from entering the danger area. Only qualified personnel equipped with suitable protective equipment may intervene.

##### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. Prevent runoff from entering drains, sewers or waterways.

Environmental precautions : Avoid release to the environment.

#### 6.2. Methods and materials for containment and cleaning up

For containment : Stop leak, if possible without risk. Contain with non-combustible inert absorbent. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up : Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations. Notify authorities if product enters sewers or public waters.

For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

### SECTION 7 Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Do not breathe mist, spray, vapors. Avoid contact with skin, eyes and clothing.  
Hygiene measures : Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Store in a cool, dry and well-ventilated area away from incompatible substances. Keep container tightly closed. Keep away from food, drink and animal feedingstuffs.  
Incompatible materials : Alkalis. Oxidizing agents.  
Packaging materials : Always store product in container of same material as original container.

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

<b>Ethylene Glycol (107-21-1)</b>	
<b>USA - ACGIH® - Threshold Limit Values</b>	
Local name	Ethylene glycol
ACGIH® TLV® TWA	25 ppm (V - Vapor fraction)
ACGIH® TLV® STEL	10 mg/m <sup>3</sup> (I - Inhalable particulate matter, H - Aerosol only)
	50 ppm (V - Vapor fraction)
Remark (ACGIH®)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2026
<b>Aniline (62-53-3)</b>	
<b>USA - ACGIH® - Threshold Limit Values</b>	
Local name	Aniline
ACGIH® TLV® TWA	7.6 mg/m <sup>3</sup>
	2 ppm
Remark (ACGIH®)	TLV® Basis: MeHb-emia. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2026
<b>USA - ACGIH® - Biological Exposure Indices</b>	
Local name	Aniline
BEI	0.5 mg/l Parameter: Aniline (with hydrolysis) - Medium: urine - Sampling time: End of shift
Regulatory reference	ACGIH 2026
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Aniline and homologs
OSHA PEL TWA	19 mg/m <sup>3</sup>
	5 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>USA - NIOSH - Occupational Exposure Limits</b>	
Local name	Aniline and homologs
Remark (NIOSH)	Ca = Potential occupational carcinogens
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
<b>1,4-Dioxane (123-91-1)</b>	
<b>USA - ACGIH® - Threshold Limit Values</b>	
Local name	1,4-Dioxane
ACGIH® TLV® TWA	1 ppm
Remark (ACGIH®)	TLV® Basis: Liver dam; URT dam. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2026

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### 1,4-Dioxane (123-91-1)

#### USA - OSHA - Occupational Exposure Limits

Local name	Dioxane (Diethylene dioxide)
OSHA PEL TWA	360 mg/m <sup>3</sup>
	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

#### USA - NIOSH - Occupational Exposure Limits

Local name	Dioxane (Diethylene dioxide)
NIOSH REL C	1 ppm [30-min]
Remark (NIOSH)	Ca = Potential occupational carcinogens
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

#### Hand protection:

Wear protective gloves. Wear suitable gloves resistant to chemical penetration

#### Eye protection:

Chemical goggles or face shield

#### Skin and body protection:

Wear suitable protective clothing. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Self-contained breathing apparatus. Select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

#### Personal protective equipment symbol(s):



# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 9 Physical and chemical properties

#### 9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: Clear purple to black.
Odor	: Slight
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 93.3 °C / >199.9 °F
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.073 – 1.083 @ 25 °C / 77 °F
Solubility	: Slightly soluble in: Water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 850 – 1050 cP @ 25 °C / 77 °F
Explosion limits	: No data available
Particle characteristics	: No data available

#### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

### SECTION 10 Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

No additional information available

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

Incompatible materials.

#### 10.5. Incompatible materials

Alkalis. Oxidizing agents.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Nitrogen oxides.

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 11 Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Diethylene Glycol-phthalic Anhydride Polymer

LD50 dermal rat > 2000 mg/kg

#### Dipropylene glycol

LD50 oral rat 14850 mg/kg  
LD50 dermal rabbit > 5010 mg/kg body weight  
LC50 Inhalation - Rat > 2.34 mg/l air

#### Ethylene Glycol

LD50 oral rat 4700 mg/kg body weight  
LD50 oral 6140 mg/kg  
LD50 dermal rat 9530 mg/kg body weight  
LD50 dermal > 3549 mg/kg

#### Aniline

LD50 dermal rabbit 1540 mg/kg body weight

#### 1,4-Dioxane

LD50 oral rat ≈ 5150 mg/kg body weight

#### Glycerol propylene oxide

LD50 oral rat > 2000 mg/kg body weight  
LD50 dermal rat > 2000 mg/kg body weight

Skin corrosion/irritation : Not classified

#### Dipropylene glycol

Additional information Not irritating to rabbits on cutaneous application

#### Ethylene Glycol

pH 6 – 7.5  
Skin corrosion/irritation, rabbit Not irritating to skin

#### Glycerol propylene oxide

pH 7

Serious eye damage/irritation : Not classified

#### Dipropylene glycol

Additional information Not irritating to rabbits on ocular application

#### Ethylene Glycol

pH 6 – 7.5

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

<b>Ethylene Glycol</b>	
Serious eye damage/irritation, rabbit	<40% Irritating to eyes (Fully reversible effects within 7 days of observation)
<b>Glycerol propylene oxide</b>	
pH	7
Respiratory or skin sensitization	: Not classified
<b>Dipropylene glycol</b>	
Skin sensitization, human	Not sensitive
<b>Ethylene Glycol</b>	
Guinea pig maximization test	Not sensitive
Skin sensitization, human	Not sensitive
Germ cell mutagenicity	: Not classified
<b>Ethylene Glycol</b>	
Germ cell mutagenicityDominant lethal test, rat	Negative
Carcinogenicity	: Not classified
<b>Diethylene glycol</b>	
NOAEL (chronic,oral,animal/male,2 years)	1210 mg/kg body weight
NOAEL (chronic,oral,animal/female,2 years)	1160 mg/kg body weight
<b>Aniline</b>	
IARC group	2A - Probably carcinogenic to humans
<b>1,4-Dioxane</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.
Reproductive toxicity	: Not classified
<b>Glycerol propylene oxide</b>	
NOAEL (animal/male, F0/P)	≥ 1000 mg/kg body weight
NOAEL (animal/female, F0/P)	300 mg/kg body weight
STOT-single exposure	: Not classified
<b>1,4-Dioxane</b>	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).
<b>Diethylene glycol</b>	
LOAEL (oral,rat,90 days)	40000 mg/kg body weight
<b>Ethylene Glycol</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver) through prolonged or repeated exposure.

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

<b>Aniline</b>	
LOAEC (inhalation, rat, vapor, 90 days)	0.0326 mg/l air
NOAEC (inhalation, rat, vapor, 90 days)	0.0092 mg/l air
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
<b>1,4-Dioxane</b>	
NOAEC (inhalation, rat, vapor, 90 days)	> 0.4 mg/l air
<b>Glycerol propylene oxide</b>	
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg body weight
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).
Symptoms/effects after skin contact	: May cause irritation to skin.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.
Chronic symptoms	: Prolonged and frequent exposure through inhalation may cause cancer. May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

#### Diethylene Glycol-phthalic Anhydride Polymer

LC50 - Fish [1]	≥ 100 mg/l
ErC50 algae	157.4 mg/l

#### Diethylene glycol

LC50 - Fish [1]	75200 mg/l
EC50 96h - Algae [1]	6500 – 13000 mg/l
EC50 96h - Algae [2]	9362 mg/l
NOEC (chronic)	≥ 1000 mg/l

#### Dipropylene glycol

LC50 - Fish [1]	46500 mg/l
EC50 - Crustacea [1]	> 100 mg/l
LC50 - Fish [2]	> 1000 mg/l
EC50 72h - Algae [1]	> 100 mg/l
EC50 96h - Algae [1]	1064.8 mg/l

#### Ethylene Glycol

LC50 - Fish [1]	> 72860 mg/l
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# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

<b>Ethylene Glycol</b>	
EC50 - Crustacea [1]	> 100 mg/l
EC50 96h - Algae [1]	6500 – 13000 mg/l
ErC50 algae	> 1000 mg/l
NOEC (chronic)	≥ 1000 mg/l
NOEC chronic fish	32000 mg/l 7 days
NOEC chronic crustacea	24000 ml/l (48h)
<b>Aniline</b>	
LC50 - Fish [1]	10.6 mg/l
EC50 - Crustacea [1]	0.16 mg/l
EC50 72h - Algae [1]	175 mg/l
NOEC (chronic)	0.016 mg/l
NOEC chronic fish	0.39 mg/l
<b>1,4-Dioxane</b>	
EC50 - Crustacea [1]	> 1000 mg/l
EC50 72h - Algae [1]	> 1000 mg/l
NOEC (chronic)	1000 mg/l
NOEC chronic fish	145 mg/l
<b>Bis-(dimethylaminopropyl)methylamine</b>	
LC50 - Fish [1]	≈ 92.5 mg/l
EC50 - Crustacea [1]	35.4 mg/l
EC50 72h - Algae [1]	34.99 mg/l
NOEC (chronic)	2.2 mg/l
<b>Glycerol propylene oxide</b>	
LC50 - Fish [1]	218000 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l
EC50 96h - Algae [1]	103000 mg/l
LOEC (chronic)	> 10 mg/l
NOEC (chronic)	≥ 10 mg/l
<b>12.2. Persistence and degradability</b>	
<b>SU 311-14T</b>	
Persistence and degradability	Not established.
<b>Polyether Polyol</b>	
Persistence and degradability	Not rapidly degradable

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

<b>Diethylene Glycol-phthalic Anhydride Polymer</b>	
Persistence and degradability	Not rapidly degradable
<b>Diethylene glycol</b>	
Persistence and degradability	Rapidly degradable
<b>Dipropylene glycol</b>	
Persistence and degradability	Readily biodegradable.
<b>Ethylene Glycol</b>	
Persistence and degradability	Readily biodegradable.
<b>Aniline</b>	
Persistence and degradability	Not rapidly degradable
<b>1,4-Dioxane</b>	
Persistence and degradability	Not rapidly degradable
<b>Bis-(dimethylaminopropyl)methylamine</b>	
Persistence and degradability	Not rapidly degradable
<b>Glycerol propylene oxide</b>	
Persistence and degradability	Not rapidly degradable
<b>Bis(2-hydroxyethyl) (methylenedi-1,4-phenylene)biscarbamate</b>	
Persistence and degradability	Not rapidly degradable
<b>Bis[2-(2-hydroxyethoxy)ethyl] (methylenedi-1,4-phenylene)biscarbamate</b>	
Persistence and degradability	Not rapidly degradable

### 12.3. Bioaccumulative potential

<b>Diethylene Glycol-phthalic Anhydride Polymer</b>	
Partition coefficient n-octanol/water (Log Pow)	0.9 – 1.9
<b>Dipropylene glycol</b>	
Partition coefficient n-octanol/water (Log Pow)	-1.07
<b>Ethylene Glycol</b>	
Partition coefficient n-octanol/water (Log Pow)	-0.337
Bioaccumulative potential	Does not bioaccumulate.

### 12.4. Mobility in soil

<b>Ethylene Glycol</b>	
Mobility in soil	0.2
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### 12.5. Other adverse effects

Ozone : Not classified  
Fluorinated greenhouse gases : No

### SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Disposal must be done according to official regulations. Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions.  
Additional information : Do not re-use empty containers.  
Ecological waste information : Avoid release to the environment.

### SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
<b>14.1. UN number</b>			
Not regulated for transport			
<b>14.2. Proper Shipping Name</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>			
		Not regulated	
No supplementary information available			

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

**DOT**  
Not regulated

**TDG**  
Not regulated

**IMDG**  
Not regulated

**IATA**  
Not regulated

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 15 Regulatory information

#### 15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Bis(2-hydroxyethyl) (methylenedi-1,4-phenylene)biscarbamate	CAS-No. No Data	< 2%
Bis[2-(2-hydroxyethoxy)ethyl] (methylenedi-1,4-phenylene)biscarbamate	CAS-No. No Data	< 2%

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

ethanediol ethylene glycol	CAS-No. 107-21-1	2 – 5%
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#### Ethylene Glycol (107-21-1)

Listed on EPA Hazardous Air Pollutant (HAPS)  
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens  
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits

CERCLA RQ	5000 lb
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#### Aniline (62-53-3)

Listed on EPA Hazardous Air Pollutant (HAPS)  
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens  
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits

CERCLA RQ	5000 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb

#### 1,4-Dioxane (123-91-1)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	100 lb
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#### 15.2. International regulations

##### CANADA

#### Polyether Polyol (9082-00-2)

Listed on the Canadian DSL (Domestic Substances List)

#### Diethylene Glycol-phthalic Anhydride Polymer (32472-85-8)

Listed on the Canadian DSL (Domestic Substances List)

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### Diethylene glycol (111-46-6)

Listed on the Canadian DSL (Domestic Substances List)

### Dipropylene glycol (25265-71-8)

Listed on the Canadian DSL (Domestic Substances List)

### Ethylene Glycol (107-21-1)

Listed on the Canadian DSL (Domestic Substances List)

### Aniline (62-53-3)

Listed on the Canadian DSL (Domestic Substances List)

### 1,4-Dioxane (123-91-1)

Listed on the Canadian DSL (Domestic Substances List)

### Bis-(dimethylaminopropyl)methylamine (3855-32-1)

Listed on the Canadian DSL (Domestic Substances List)

### Glycerol propylene oxide (25791-96-2)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

#### Polyether Polyol (9082-00-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Diethylene glycol (111-46-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Dipropylene glycol (25265-71-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Ethylene Glycol (107-21-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens  
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits  
Listed on Thailand Existing Chemicals Inventory (DIW)

# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### Aniline (62-53-3)

Listed on IARC (International Agency for Research on Cancer)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens  
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits

### 1,4-Dioxane (123-91-1)

Listed on IARC (International Agency for Research on Cancer)  
Listed as carcinogen on NTP (National Toxicology Program)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. State regulations



#### WARNING:

This product can expose you to chemicals including Aniline, which is known to the State of California to cause cancer, and Ethylene glycol (ingested), which is 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).

Component	State or local regulations
Diethylene glycol(111-46-6)	U.S. - Pennsylvania - RTK (Right to Know) List
Dipropylene glycol(25265-71-8)	U.S. - Pennsylvania - RTK (Right to Know) List
Ethylene Glycol(107-21-1)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
Aniline(62-53-3)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
1,4-Dioxane(123-91-1)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16 Other information

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 6/12/2026

Issue date : 6/4/2025

#### Full text of hazard classes and H-statements

H225	Highly flammable liquid and vapor
H227	Combustible liquid
H301	Toxic if swallowed
H302	Harmful if swallowed
H311	Toxic in contact with skin
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

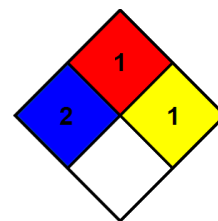
# SU 311-14T

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Full text of hazard classes and H-statements	
H319	Causes serious eye irritation
H320	Causes eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.  
NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.  
NFPA reactivity : 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



Indication of changes:		
Section	Changed item	Comments
8.1	Occupational exposure limits	<b>Added</b>

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.