

## Offer Sheet

Product	Duramic Resin US Polymers HPP-E-10075-23-70
Quantity	11.5 pallets of drums
Net weight	~20,534 lbs.
Manufacture date	
Availability	One time
Location	Houston, TX 77060
Date	5/1/26
COA & SDS	Attached below



**Brian Svrusis**  
Solvent Systems International  
575 Bennett Road  
Elk Grove Village, IL 60007  
847-323-6718 call or text  
Click here for: [Surplus Inventory](#)  
[Solvent-Systems.com](#)

This material is a **solvent-borne epoxy ester / modified alkyd resin (~70% solids)**. Its role in formulations is as a **film-forming binder**, meaning it provides the structure and performance of a coating rather than acting as a solvent.

---

### **1) Industrial maintenance coatings (primary use)**

Applications:

- Steel structures
- Storage tanks, piping, and equipment
- Shop primers and maintenance paints

Why it is used:

- Strong adhesion to metal substrates
- Good corrosion resistance
- Air-dry curing (no baking required)
- Compatibility with standard solvent systems

This is the largest commercial outlet for this type of resin.

---

### **2) OEM metal coatings (equipment and machinery)**

Applications:

- Agricultural equipment
- Construction machinery
- General fabricated metal products

Function:

- Acts as the primary binder in enamel-type coatings
  - Provides gloss, durability, and flexibility
- 

### **3) Anti-corrosion primers (key niche)**

Applications:

- Red oxide primers
- Zinc-modified primers
- Marine maintenance coatings

Performance advantage:

- Better corrosion resistance than straight alkyds
  - Improved wetting and adhesion to metal surfaces
- 

### **4) Protective coatings / Direct-to-Metal (DTM)**

Applications:

- Single-coat protective systems
- Outdoor-exposed steel

Key benefit:

- Can function as a direct-to-metal coating, reducing or eliminating the need for a separate primer layer
- 

### **5) Adhesive / sealant modifier (secondary use)**

Less common but viable:

- Used as a film-forming or tackifying component in:
  - Industrial adhesives
  - Sealants

**CERTIFICATE OF ANALYSIS**
**PRODUCT: HPP-E-10075-23-70**
**BATCH: 27997**

Property	Test Method	Product Specification*	Result
Viscosity	QC-TM-005	Z4 - Z7	Z5
Color	QC-TM-004	6 max.	4
Acid Value (mg KOH/g)	QC-TM-002	35 - 60	48.2
Solids (%)	QC-TM-009	70 ± 3	74.1
Density (lb/gal)	QC-TM-003	9.10 ± 0.15	9.16
Reduced Viscosity		74.1% → 30% Water/Tea = T	
Solvent		2-Butoxyethanol (Ethylene Glycol Monobutyl Ether)	

\*Specifications are subject to change based on results when product is made commercially following multiple production batches. Preliminary specifications for this sheet was based on laboratory conditions.

**Date of Manufacture: 6/16/2025**

# HPP-E-10075-23-70

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)  
 Issue date: 5/22/2025 Revision date: 6/5/2025 Supersedes: 5/29/2025 Version: 1.2

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
 Trade name : HPP-E-10075-23-70  
 Product code : HPP-E-10075-23-70

#### 1.2. Other means of identification

No additional information available

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

Recommended use : Industrial uses, Protective coating  
 Restrictions on use : All other uses not recommended above

#### 1.4. Supplier's details

US Polymers-Accurez  
 300 East Primm Street  
 St. Louis, Missouri 63111  
 T 314-638-1632  
[Cflinn@uspolymers.com](mailto:Cflinn@uspolymers.com)

#### 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 23506  
 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

Flammable liquid, Category 4	H227	Combustible liquid.
Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Acute toxicity (inhalation), Category 3	H331	Toxic if inhaled.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.
Respiratory sensitization, Category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation.
Specific target organ toxicity — Repeated exposure, Category 1	H372	Causes damage to organs through prolonged or repeated exposure.

Full text of H statements : see section 16

# HPP-E-10075-23-70

## Safety Data Sheet

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

### 2.2. Label elements

#### GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H227 - Combustible liquid  
H302 - Harmful if swallowed  
H331 - Toxic if inhaled  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H335 - May cause respiratory irritation  
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US)

: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.  
Do not breathe dust, fume, gas, mist, vapors, spray.  
Wash hands, forearms and face thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves.  
Wear respiratory protection.  
Immediately call a poison center or doctor.  
If swallowed: Call a poison center or doctor if you feel unwell.  
Rinse mouth.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If experiencing respiratory symptoms: Call a poison center or doctor.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If on skin: Wash with plenty of water.  
If skin irritation or rash occurs: Get medical advice or attention.  
Take off contaminated clothing and wash it before reuse.  
Call a poison center or doctor if you feel unwell.  
In case of fire: Use appropriate media to extinguish.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 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

# HPP-E-10075-23-70

## Safety Data Sheet

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

### SECTION 3 Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Glycol ether*	CAS-No.: Trade Secret	30	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Trade Secret*	CAS-No.: Trade Secret	17.6	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335
Trade Secret*	CAS-No.: Trade Secret	16.9	Not classified
Trade Secret*	CAS-No.: Trade Secret	7.8	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 1, H372 Aquatic Acute 3, H402
Trade Secret*	CAS-No.: Trade Secret	5.7	Eye Irrit. 2A, H319 STOT SE 3, H335
Trade Secret*	CAS-No.: Trade Secret	2.8	Not classified

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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

### 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	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Immediately transport the casualty to an eye doctor / hospital. Continue rinsing during the transport with isotonic saline solution, alternatively with water.
First-aid measures after ingestion	: Rinse mouth and spit the fluids out. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a physician immediately.

# HPP-E-10075-23-70

## Safety Data Sheet

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

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

Symptoms/effects after inhalation	: Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation (itching, redness, blistering). May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting. Gastrointestinal disturbances. Harmful if swallowed.
Chronic symptoms	: Causes damage to organs through prolonged or repeated exposure.

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

Other medical advice or treatment	: Treat symptomatically.
-----------------------------------	--------------------------

## SECTION 5: Fire-fighting measures

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

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

### 5.2. Specific hazards arising from the chemical

Fire hazard	: Combustible liquid.
Explosion hazard	: Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Release of irritating vapors. Carbon dioxide. Carbon monoxide.

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

Firefighting instructions	: Fight fire with normal precautions from a reasonable distance. 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. Use water spray or fog for cooling exposed containers. 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.

## SECTION 6 Accidental release measures

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

#### For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Avoid breathing mist, spray, vapors, gas. If possible without taking personal risks, Remove ignition sources, ventilate area. No open flames, no sparks, and no smoking. Prevent other non-emergency personnel from entering the danger area.

#### For emergency responders

Protective equipment	: Wear the recommended personal 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. Ventilate spillage area. Stop leak if safe to do so. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. All equipment used when handling the product must be grounded.
Environmental precautions	: Do not let the product reach soil, drains, sewers, or surface and ground water. Notify authorities if product enters sewers or public waters.

# HPP-E-10075-23-70

## Safety Data Sheet

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

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

For containment	: Contain with non-combustible inert absorbent.
Methods for cleaning up	: Small spill: Take up in non-combustible inert absorbent and place into container for disposal. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Use non-sparking tools. Contaminated absorbent material may pose the same hazard as the spilled 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. This material and its container must be disposed of in a safe way, and as per local legislation.

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	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Wear personal protective equipment. Do not breathe mist, spray, vapors, gas. Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Handling this product may result in electrostatic accumulation. Use proper grounding procedures.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace.

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

Storage conditions	: Store in a cool, dry and well-ventilated area away from incompatible substances. Keep only in original container. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Keep container closed when not in use. Stored containers should be periodically checked for general condition and leakage.
Incompatible products	: Strong acids. Strong bases. Strong oxidizers. Strong reducing agents.
Storage temperature	: 16 – 27 °C / 60 - 80 °F

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

#### Trade Secret

#### USA - ACGIH - Occupational Exposure Limits

ACGIH® TLV® TWA	10 mg/m <sup>3</sup> (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: GI irr
Regulatory reference	ACGIH 2025

#### USA - OSHA - Occupational Exposure Limits

OSHA PEL TWA	5 mg/m <sup>3</sup> (Respirable fraction) 15 mg/m <sup>3</sup> (Total dust)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

# HPP-E-10075-23-70

## Safety Data Sheet

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

<b>Trade Secret</b>	
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL 10h TWA	10 mg/m <sup>3</sup> (Total dust) 5 mg/m <sup>3</sup> (Respirable fraction)
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
<b>Trade Secret</b>	
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL TWA	15 mg/m <sup>3</sup> (Total dust) 5 mg/m <sup>3</sup> (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>Trade Secret</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH® TLV® TWA	0.002 mg/m <sup>3</sup> (IFV - Inhalable fraction and vapor)
	0.0003 ppm (IFV - Inhalable fraction and vapor)
	50 µg/100cm <sup>2</sup> (SL - Surface limit)
ACGIH® TLV® STEL	0.005 mg/m <sup>3</sup> (IFV - Inhalable fraction and vapor)
	0.0009 ppm (IFV - Inhalable fraction and vapor)
Remark (ACGIH)	TLV® Basis: Resp & Dermal sens; Asthma. Notations: Skin; DSEN; RSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL TWA	12 mg/m <sup>3</sup>
	2 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL 10h TWA	6 mg/m <sup>3</sup>
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
<b>Trade Secret</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH® TLV® TWA	0.5 mg/m <sup>3</sup> (IFV - Inhalable fraction and vapor)
Remark (ACGIH)	TLV® Basis: Eye, URT & LRT irr; Lung damage. Notations: Skin; A5 (Not Suspected as a Human Carcinogen)
Regulatory reference	ACGIH 2025
<b>Glycol ether</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH® TLV® TWA	97 mg/m <sup>3</sup>
	20 ppm

# HPP-E-10075-23-70

## Safety Data Sheet

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

Glycol ether	
Remark (ACGIH)	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	240 mg/m <sup>3</sup> 50 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

### 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.
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.

<b>Hand protection:</b>
Wear suitable gloves resistant to chemical penetration. Chemically impervious gloves as described by OSHA's hand protection regulations in 29 CFR 1910.138
<b>Eye protection:</b>
Chemical goggles or face shield. Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles
<b>Skin and body protection:</b>
Wear suitable protective clothing. Body protection should be chosen depending on activity and possible exposure
<b>Respiratory protection:</b>
In case of insufficient ventilation, wear suitable respiratory equipment. Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA complaint respiratory protection program.

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



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: Colorless to Amber
Odor	: No data available
Odor threshold	: No data available

# HPP-E-10075-23-70

## Safety Data Sheet

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

pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 210.2 °C / 410 °F
Flash point	: 72 – 81 °C / 161.6 - 177.8 °F
Flammability (solid, gas)	: Combustible liquid.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.09
Density	: 8.75 lb/gal + 0.15 (1.049 g/mL)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: 405 °C / 761 °F
Decomposition temperature	: No data available
Viscosity, kinematic	: 15260.169 mm <sup>2</sup> /s
Viscosity, dynamic	: 16000 cP
Explosion limits	: No data available
Particle characteristics	: No data available

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

VOC content	: 315 g/l
Volatility	: 30% by weight

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

Combustible liquid.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

### 10.4. Conditions to avoid

Avoid the build-up of electrostatic charge. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition. Incompatible materials.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong reducing agents. Oxidizing agents.

### 10.6. Hazardous decomposition products

Thermal decomposition generates: Release of irritating vapors. Carbon dioxide. Carbon monoxide.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Toxic if inhaled.

#### HPP-E-10075-23-70

ATE US (oral)	1765.86 mg/kg body weight
---------------	---------------------------

# HPP-E-10075-23-70

## Safety Data Sheet

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

<b>HPP-E-10075-23-70</b>	
ATE US (vapors)	10 mg/l/4h
<b>Trade Secret</b>	
LD50 oral rat	> 5110 mg/kg body weight
LD50 dermal rabbit	> 10000 mg/kg body weight
LC50 Inhalation - Rat	> 5.15 mg/l air
LC50 Inhalation - Rat (Dust/Mist)	> 5.15 mg/l
<b>Trade Secret</b>	
LD50 oral rat	12600 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
<b>Trade Secret</b>	
LD50 oral rat	1530 mg/kg body weight
LD50 dermal rabbit	> 3160 mg/kg
LC50 Inhalation - Rat	> 210 mg/m <sup>3</sup> 1 hour
<b>Trade Secret</b>	
LD50 oral	2250 mg/kg body weight
LD50 dermal rabbit	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 12.2 mg/l air
<b>Trade Secret</b>	
LD50 oral rat	5400 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight
<b>Glycol ether</b>	
LD50 oral rat	1414 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat [ppm]	550 ppm/4h
LC50 Inhalation - Rat (Vapors)	3 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation.
<b>Trade Secret</b>	
pH	3.5 – 4.5
<b>Trade Secret</b>	
Additional information	Not irritating to rabbits on cutaneous application
<b>Trade Secret</b>	
pH	2.8 Temp.: 25 °C
<b>Trade Secret</b>	
Skin corrosion/irritation, rabbit	Mildly irritating

# HPP-E-10075-23-70

## Safety Data Sheet

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

<b>Glycol ether</b>	
Skin corrosion/irritation, rabbit	Mildly irritating
Serious eye damage/irritation	: Causes serious eye damage.
<b>Trade Secret</b>	
pH	3.5 – 4.5
<b>Trade Secret</b>	
Additional information	Not irritating to rabbits on ocular application
<b>Trade Secret</b>	
pH	2.8 Temp.: 25 °C
<b>Trade Secret</b>	
Serious eye damage/irritation, rabbit	Moderately irritating
<b>Glycol ether</b>	
Serious eye damage/irritation, rabbit	Moderately irritating
Respiratory or skin sensitization	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
<b>Trade Secret</b>	
Method, LLNA, mouse	(Not sensitive)
<b>Glycol ether</b>	
Guinea pig maximization test	Not sensitive
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
<b>Trade Secret</b>	
NOAEL (chronic,oral,animal/male,2 years)	3570 mg/kg body weight
NOAEL (chronic,oral,animal/female,2 years)	1785 mg/kg body weight
<b>Glycol ether</b>	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
<b>Trade Secret</b>	
STOT-single exposure	May cause respiratory irritation.
<b>Trade Secret</b>	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
<b>Trade Secret</b>	
NOAEL (oral,rat,90 days)	1000 mg/kg body weight

# HPP-E-10075-23-70

## Safety Data Sheet

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

<b>Trade Secret</b>	
NOAEL (oral,rat,90 days)	500 mg/kg body weight
<b>Trade Secret</b>	
NOAEL (oral,rat,90 days)	1000 mg/kg body weight
NOAEL (dermal,rat/rabbit,90 days)	> 2500 mg/kg body weight
NOAEC (inhalation,rat,dust/mist/fume,90 days)	≤ 0.025 mg/l air
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
<b>Trade Secret</b>	
LOAEL (oral,rat,90 days)	8000 mg/kg body weight
NOAEL (oral,rat,90 days)	4000 mg/kg body weight
<b>Glycol ether</b>	
NOAEL (dermal,rat/rabbit,90 days)	> 150 mg/kg body weight
Aspiration hazard	: Not classified
<b>HPP-E-10075-23-70</b>	
Viscosity, kinematic	15260.169 mm <sup>2</sup> /s
Symptoms/effects after inhalation	: Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation (itching, redness, blistering). May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting. Gastrointestinal disturbances. Harmful if swallowed.
Chronic symptoms	: Causes damage to organs through prolonged or repeated exposure.
<b>SECTION 12 Ecological information</b>	
<b>12.1. Ecotoxicity</b>	
Ecology - general	: The environmental impact of this product has not been fully investigated.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified
<b>Trade Secret</b>	
LC50 - Fish [1]	> 100 mg/l
EC50 72h - Algae [1]	1000 mg/l
NOEC (chronic)	1000 mg/l
<b>Trade Secret</b>	
LC50 - Fish [1]	54000 mg/l
<b>Trade Secret</b>	
LC50 - Fish [1]	99 mg/l
EC50 - Crustacea [1]	> 640 mg/l
EC50 - Other aquatic organisms [1]	> 640 mg/l

# HPP-E-10075-23-70

## Safety Data Sheet

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

<b>Trade Secret</b>	
EC50 72h - Algae [1]	68 mg/l
NOEC (chronic)	16 mg/l
NOEC chronic fish	10 mg/l
NOEC chronic crustacea	16 mg/l
NOEC chronic algae	32 mg/l
<b>Trade Secret</b>	
LC50 - Fish [1]	47.3 mg/l
LC50 - Fish [2]	44.6 mg/l
EC50 72h - Algae [1]	> 33.1 mg/l
NOEC (chronic)	≥ 25 mg/l
NOEC chronic fish	> 120 mg/l
<b>Trade Secret</b>	
LC50 - Fish [1]	> 100 mg/l
EC50 - Other aquatic organisms [1]	> 50 mg/l
<b>Glycol ether</b>	
LC50 - Fish [1]	1474 mg/l
EC50 - Crustacea [1]	≈ 1800 mg/l
NOEC (chronic)	100 mg/l
NOEC chronic fish	≥ 100 mg/l
<b>12.2. Persistence and degradability</b>	
<b>HPP-E-10075-23-70</b>	
Persistence and degradability	Not established.
<b>Trade Secret</b>	
Persistence and degradability	Not rapidly degradable
<b>Trade Secret</b>	
Persistence and degradability	Rapidly degradable
<b>Trade Secret</b>	
Persistence and degradability	Not rapidly degradable
<b>Trade Secret</b>	
Persistence and degradability	Rapidly degradable
<b>Trade Secret</b>	
Persistence and degradability	Rapidly degradable
<b>Glycol ether</b>	
Persistence and degradability	Not rapidly degradable

# HPP-E-10075-23-70

## Safety Data Sheet

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

### 12.3. Bioaccumulative potential

#### HPP-E-10075-23-70

Bioaccumulative potential	Not established.
---------------------------	------------------

#### Trade Secret

Partition coefficient n-octanol/water (Log Pow)	-1.7
---	------

#### Trade Secret

Partition coefficient n-octanol/water (Log Pow)	1.6
---	-----

### 12.4. Mobility in soil

No additional information available

### 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	: 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	: Flammable vapors may accumulate in the container. Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.

## SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
<b>14.1. UN number</b>		
UN2810	2810	2810
<b>14.2. Proper Shipping Name</b>		
Toxic, liquids, organic, n.o.s. (Glycol ether)	TOXIC LIQUID, ORGANIC, N.O.S. (Glycol ether)	Toxic liquid, organic, n.o.s. (Glycol ether)
<b>14.3. Transport hazard class(es)</b>		
6.1	6.1	6.1
<b>14.4. Packing group</b>		
III	III	III
<b>14.5. Environmental hazards</b>		
	Dangerous for the environment: No Marine pollutant: No	
No supplementary information available		

# HPP-E-10075-23-70

## Safety Data Sheet

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

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

#### DOT

UN-No. (DOT)	: UN2810
DOT Packaging Exceptions (49 CFR 173.xxx)	: 153
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"

#### IMDG

Special provision (IMDG)	: 223, 274
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP28
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-A - SPILLAGE SCHEDULE Alfa - TOXIC SUBSTANCES
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW2
Properties and observations (IMDG)	: Toxic if swallowed, by skin contact or by inhalation.

#### IATA

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y642
PCA limited quantity max net quantity (IATA)	: 2L
PCA packing instructions (IATA)	: 655
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 663
CAO max net quantity (IATA)	: 220L
ERG code (IATA)	: 6L

## 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.

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.

Trade Secret	CAS-No.	17.6%
--------------	---------	-------

# HPP-E-10075-23-70

## Safety Data Sheet

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

### Trade Secret

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
-----------	---------

### Trade Secret

CERCLA RQ	5000 lb
-----------	---------

## 15.2. International regulations

### CANADA

#### Trade Secret

Listed on the Canadian DSL (Domestic Substances List)

#### Trade Secret

Listed on the Canadian DSL (Domestic Substances List)

#### Trade Secret

Listed on the Canadian DSL (Domestic Substances List)

#### Trade Secret

Listed on the Canadian DSL (Domestic Substances List)

#### Trade Secret

Listed on the Canadian DSL (Domestic Substances List)

#### Glycol ether

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

#### Trade Secret

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Trade Secret

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Trade Secret

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

# HPP-E-10075-23-70

## Safety Data Sheet

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

### Trade Secret

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Trade Secret

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Glycol ether

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Trade Secret()	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Trade Secret()	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Trade Secret()	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
Trade Secret()	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
Glycol ether()	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 : 6/5/2025

Issue date : 5/22/2025

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

H227	Combustible liquid
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled

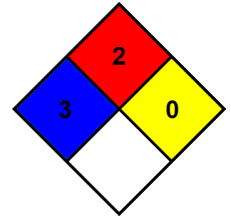
# HPP-E-10075-23-70

## Safety Data Sheet

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

Full text of hazard classes and H-statements	
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H372	Causes damage to organs through prolonged or repeated exposure
H402	Harmful to aquatic life

- NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.
- NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



- Hazard Rating Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given  
\* - Chronic (long-term) health effects may result from repeated overexposure
- Flammability : 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II IIIA)
- Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
- Personal protection : G - Safety glasses, Gloves, Vapor respirator

Indication of changes:		
Section	Changed item	Comments
	Personal protection	Modified

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.