

### Revision number: 3 Revision date: 08/18/2015

### **IDENTIFICATION** 1.

Diethylene Glycol Divinyl Ether (stabilized with KOH) D0498

**TCI AMERICA** 

SAFETY DATA SHEET

Product use: Restrictions on use:

Product name: Product code:

> For laboratory research purposes. Not for drug or household use.

Company:	Emergency telephone number:	
TCI America	Chemical Emergencies:	
9211 N. Harborgate Street	TCI America (8:00am - 5:00pm) PST	
Portland, OR 97203 U.S.A.	+1-503-286-7624	
Telephone:	Transportation Emergencies:	
+1-800-423-8616 / +1-503-283-1681	Chemtrec 24-Hour	
Fax:	+1-800-424-9300 (U.S.A.)	
+1-888-520-1075 / +1-503-283-1987	+1-703-527-3887 (International)	
e-mail:	Responsible department:	
sales-US@TCIchemicals.com	TCI America	
www.TCIchemicals.com	Environmental Health Safety and Security	
	+1- 503-286-7624	

# 2. HAZARD(S) IDENTIFICATION

/arning! auses serious eye irritation ombustible liquid
/ash hands and face thoroughly after handling. Wear eye and face protection. Keep away from heat, parks, open flames or other hot surfaces No smoking. Wear protective gloves, eye protection and face
rotection. in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to o. Continue rinsing. If eye irritation persists: Get medical advice or attention. In case of fire: Use dry nemical, CO2, water spray or alcohol-resistant foam to extinguish.
tore in well-ventilated place. Keep cool. ispose of contents and container in accordance with US EPA guidelines for the classification and etermination of hazardous waste listed in 40 CFR 261.3. (See Section 13)

Hazards not otherwise classified: [HNOC] May cause polimerization. Causes mild skin irritation. May be harmful if swallowed.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Components: Percent: CAS Number: Molecular Weight:

Substance Diethylene Glycol Divinyl Ether (stabilized with KOH) >98.0%(GC) 764-99-8 158.20

3. COMPOSITION/INFORMATIO	N ON INGREDIENTS
Chemical Formula: Synonyms: Stabilizers:	C₀H₁₄O₃ Divinyl Carbitol (stabilized with KOH) Potassium hydroxide
4. FIRST-AID MEASURES	
Inhalation:	Call emergency medical service. Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Skin contact:	Call a poison center or doctor if you feel unwell. Remove and wash contaminated clothing before re-use. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Eye contact:	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Contact with material may irritate or burn eyes. Call emergency medical service. Move victim to fresh air. Check for and remove any contact lenses. Keep victim warm and quiet. Treat symptomatically and supportively. Effects of exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Ingestion:	Do not induce vomiting with out medical advice. If swallowed, seek medical advice immediately and show the container or label. Loosen tight clothing such as a collar, tie, belt or waistband. If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Symptoms/effects:	
Acute: Delayed:	Redness. No data available
Immediate medical attention:	If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
5. FIRE-FIGHTING MEASURES	

Suitable extinguishing media:

Dry chemical, CO<sub>2</sub>, water spray, or alcohol-resistant foam. Consult with local fire authorities before attempting large scale fire fighting operations.

### Specific hazards arising from the chemical

Hazardous combustion products:	These products include: Carbon oxides
Other specific hazards:	Closed containers may explode from heat of a fire.

### Special precautions for fire-fighters:

Use water spray or fog; do not use straight streams. Dike fire-control water for later disposal; do not scatter the material. CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient. Do not use straight streams. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated. Move containers from fire area if you can do it without risk. Special protective equipment for fire-fighters:

Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations. Wear chemical protective clothing which is specifically recommended by the manufacturer. It may provide little or no thermal protection.

# 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with skin, eyes, and clothing. Keep people away from and upwind of spill/leak. Use spark- proof tools and explosion-proof equipment. Remove all sources of ignition. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8). Warn unnecessary personnel to move away. Stop leak if you can do it without risk. Ensure adequate ventilation. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Personal protective equipment:	Wear eye protection (splash goggles) and face protection (full length face shield). Lab coat. Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Wear protective gloves (nitrile).
Emergency procedures:	Isolate area until gas has dispersed. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and excercise caution. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Warn personnel to move away. Prevent entry into sewers, basements or confined areas; dike if needed.

# 6. ACCIDENTAL RELEASE MEASURES

# Methods and materials for containment and cleaning up:

ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). All equipment used when handling the product must be grounded. Stop leak if without risk. Ventilate the area. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material.

### **Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.

# 7. HANDLING AND STORAGE

Precautions for safe handling:	Do NOT breath gas, fumes, vapor, or spray. Avoid contact with skin and eyes. Keep away from heat and sources of ignition. Use explosion-proof equipment. Use only non-sparking hand tool when handling this product. Ground all equipment containing material. Take measures to prevent build up of electrostatic charge. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink, or smoke. Keep away from sources of ignition.
Conditions for safe storage:	Keep only in the original container in a cool well-ventilated place. Keep away from sources of ignition. Store and use away from heat, sparks, open flame, or any other ignition source. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods.
Storage incompatibilities:	Store away from oxidizing agents

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: No data available

### Appropriate engineering controls:

Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

# Personal protective equipmentRespiratory protection:Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.Hand protection:Wear protective gloves.Eye protection:Splash goggles.Skin and body protection:Lab coat.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Form:	Liquid Clear
Color:	Colorless - Almost colorless
Odor:	No data available
Odor threshold:	No data available

Melting point/freezing point: Boiling point/range: Decomposition temperature: Relative density: Kinematic Viscosity:	No data available 197°C (387°F) No data available 0.97 No data available	pH: Vapor pressure: Vapor density: Dynamic Viscosity:	No data available No data available No data available No data available
Partition coefficient: n-octanol/water (log Pow)	No data available	Evaporation rate: (Butyl Acetate = 1)	No data available
Flash point: Flammability (solid, gas):	71°C (160°F) No data available	Autoignition tempe Flammability or ex Lower: Upper:	

### Solubility(ies):

# 10. STABILITY AND REACTIVITY

Reactivity: Chemical Stability: Possibility of Hazardous Reactions: Conditions to avoid: Incompatible materials: Not Available. Moisture sensitive. Light sensitive. In use, may form flammable/explosive vapor-air mixture. Exposure to light. Exposure to moisture. Moisture sensitive. Oxidizing agents

No data available
N
skn-rbt LD50:14100 uL/kg
NTP: No data available OSHA: No data available
Inhalation, Eye contact, Ingestion, Skin contact.
Skin contact may result in redness, pain or dry skin. Overexposure may result in serious illness or death.
. May be harmful if inhaled or ingested. Overexposure may result in serious illness or death.
No data available
No data available
No data available
No data available
Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Lo
rules and regulations. You may be able to dissolve or mix material with a combustible solvent and bur chemical incinerator equipped with an afterburner and scrubber system. This section is intended to pr assistance but does not replace these laws, por does compliance in accordance with this section ensurement.

regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous<br/>Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains,<br/>water ways, or the soil.Disposal of container:Dispose of as unused product. Do not re-use empty containers.Other considerations:Observe all federal, state and local regulations when disposing of the substance.

assistance but does not replace these laws, nor does compliance in accordance with this section ensure

DOT (US)	Non-hazardous for transportation.
IATA	Non-hazardous for transportation.
IMDG	Non-hazardous for transportation.

# 15. REGULATORY INFORMATION

### Toxic Substance Control Act (TSCA 8b.):

This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

### **US Federal Regulations**

<b>CERCLA Hazardous substance and Reportable Quantity:</b>		
Not Listed		
Not Listed		

### **State Regulations**

### State Right-to-Know

Massachusetts	Not Listed
New Jersey	Not Listed
Pennsylvania	Not Listed
California Proposition 65:	Not Listed

### **Other Information**

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NFPA Rating:		HMIS Classification:	
Health:	0	Health:	0
Flammability:	0	Flammability:	0
Instability:	0	Physical:	0
International Inve	ntories		
WHMIS hazard class:		B3: Combustible Liquid. D2B: Materials causing other toxic effects. (Toxic)	
EC-No:		212-133-3	

# 16. OTHER INFORMATION

Revision date: 08/18/2015

# **Revision number: 3**

TCI chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.

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