

Safety Data Sheet

Glycol Ether DM

SECTION I - IDENTIFICATION



Transchem, Inc.
2141 Palomar Airport Rd. Suite 125
Carlsbad, CA 92011
(800) 783-2436
Chemtel Emergency Response :. (800) 255-3924

PRODUCT NUMBER: DM
PRODUCT NAME: Glycol Ether DM
CHEMICAL FAMILY:
CAS NUMBER: 111-77-3
DATE PREPARED: 3/5/2013
REVISION NUMBER: 7/28/2014

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Flammable Liquids	Category 3
Acute Toxicity, Oral	Category 4
Acute Toxicity, Dermal	Category 4
Acute Toxicity, Inhalation	Category 4
Reproductive Toxicity	Category 2
Specific target organ toxicity, single exposure	Category 1
Specific target organ toxicity, repeated exposure	Category 2

DANGER!

GHS LABEL:



Hazard Statements

H226	Flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H332	Harmful if inhaled
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H373	Causes damage to organs through prolonged or repeated exposure

Safety Data Sheet

Glycol Ether DM

Precautionary Statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surface - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/light/equipment, etc.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352	IF ON SKIN: Wash with soap and water.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
p304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P307+311	IF exposed: Call a POISON CENTER or doctor/physician.
P308+313	IF exposed or concerned: get medical advice/attention.
P312	Call a POISON CENTER or a doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P322	Specific measures (see ... on this label).
P330	Rinse mouth.
P363	Wash contaminated clothing before reuse.
P370+378	In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.
P403+235	Store in a well ventilated place. Keep cool.

Safety Data Sheet

Glycol Ether DM

P405 Store locked up.

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

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
2-(2-Methoxyethoxy) ethanol	111-77-3	>=99%	Not established	Not established

SECTION IV - FIRST AID MEASURES

Contact with eyes: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

Skin contact: Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

Inhalation: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention if symptoms persist.

Ingestion: Rinse mouth with water.
Give large quantities of water . Never give anything by mouth to an unconscious person.
Do not induce vomiting unless told to do so by medical personnel or a poison control center.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, CO₂, dry chemical.

Special Fire Fighting Procedures Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

Unusual Fire Fighting Hazards: Carbon Oxides.

Safety Data Sheet

Glycol Ether DM

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment.

Environmental Precautions: Prevent liquid from entering drains, sewers, waterways, ground and surface water or soil.

Contain spill if it can be done with minimal risk.

Methods for Cleaning Up: Contain spillage. Pick up with suitable absorbent material. Sweep/shovel up. Place into suitable container for disposal.

SECTION VII - HANDLING AND STORAGE

Handling and Storage:

- Indoor storage must meet OSHA standards and fire codes.
- Wash thoroughly after handling.
- Keep container tightly closed and in a well-ventilated place. Keep away from heat, sparks, and open flame.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
2-(2-Methoxyethoxy) ethanol	111-77-3	Not established	Not established

Engineering Controls: Use adequate ventilation to keep airborne concentrations low. Ensure that eyewash stations and safety showers are close to the workstation location

Monitoring: Observe good industrial hygiene practices.
Any clothing or shoes which became contaminated with the product should be removed immediately and thoroughly laundered before wearing again.

Personal Protective Equipment (PPE)

Eye Protection: It is a good industrial hygiene practice to minimize eye contact.
Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

Skin Protection: It is a good industrial hygiene practice to minimize skin contact.
Impervious solvent resistant gloves. Impervious apron and work boots recommend where splashing may occur.

Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Safety Data Sheet

Glycol Ether DM

Appearance	Liquid
Odor	-
pH@25°C	No data available
Melting/Freezing Point	<-84°C (<-119.2°F)
Flashpoint	91°C (195.8°F)
Specific Gravity	
Solubility	Complete
Auto-Ignition Temperature	215°C (419°F)
Decomposition Temperature	No data available
VOC Content	No data available
Odor Threshold	
Boiling Range	193°C (379.4°F)
Evaporation Point	0.02 (1=butyl acetate)
Flammable Limits - Upper	22.7% (V)
Flammable Limits - Lower	1.5% (V)
Vapor Pressure	0.24 hPa @ 20°C
Vapor Density (Air=1)	4.1
Viscosity	No data available

SECTION X - STABILITY AND REACTIVITY

Stability: Stable, under normal conditions of storage and handling.

Conditions to Avoid: Extreme heat and ignition sources.

Hazardous Decomposition/Byproducts: Hydrogen gas, CO, extreme heat

Hazardous Polymerization: Has not been reported

Polymerization Conditions to Avoid: None

Safety Data Sheet

Glycol Ether DM

SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation; ingestion possible.

Inhalation: None Known

Eye Contact: High vapor concentrations are irritating to the eyes.

Skin Contact: No harmful effects from skin adsorption are expected.

Ingestion: After absorption of high quantities: Headache, Nausea, dizziness, vomiting, and unconsciousness.

Toxicity:

Component Name	LD50	LC50
2-(2-Methoxyethoxy) ethanol	Oral, Mouse: 7,128 mg/kg bw; Dermal, Rabbit: 9,409 mg/kg bw	Rat: >1.2 mg/L (6 hours)

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

Mobility: Low potential for adsorption in soil

Degradability: Readily biodegradable

BioAccumulation: Low potential for bioaccumulation (Log Kow < 4)

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Dispose of according to Federal, State, and Local Regulations

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Combustible Liquid N.O.S.

Safety Data Sheet

Glycol Ether DM

Contains: Diethylene Glycol Monomethy
Hazard Class and Label: 3, Combustible
Identification Number: NA 1993
Packaging Group: PG III

***According to CFR 173.150 - Glycol Ether DM is Not classified as a Hazardous substance in containers less than 119 Gallons.**

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION

HMIS Health: 0

HMIS Flammability: 2

HMIS Reactivity: 0

Additional:

Specification Information

Department issuing data sheet: Compliance

Email address: compliance@transcheminc.com

Training necessary: Follow all Federal, State and local regulations.

Disclaimer:

Seller and manufacturer disclaim any implied or expressed warranties, including warranties of merchantability or fitness of this product for any particular purpose. In no event shall seller be liable for any claim for incidental or consequential damages arising out of or in connection with the sale, delivery, transportation or use of this product. Seller's and manufacturer's liability in all events is limited to, and shall not exceed the purchase price paid for this product.