ESSENTIAL CHEMISTRY. INNOVATIVE SOLUTIONS.

SAFETY DATA SHEET

Print Date: September 3, 2025

Section 1: Product & Company Information

Product Identifier: **Glycol Ether DPM**

Other Means of Identification
Product Number: 152251
Chemical Name: Dipropylene Glycol Monomethyl Ether

Recommended Use and Restrictions on Use
Recommended Use: Solvent.
Restrictions on Use: No data available.

Manufacturer / Importer / Supplier / Distributor Information
Company Name: CORECHEM Inc.
Address: 4320 Greenway Drive
Knoxville, TN 37918 USA

Information Telephone Number: 1-865-524-4239
Fax Number: 1-865-524-3375
Website: www.corecheminc.com
Contact Person: Regulatory Manager
E-mail: regulatory@corecheminc.com

Emergency Phone Number: Chemtrec® 1-800-424-9300 / Outside USA 1-703-527-3887 *(monitored 24 hours/day)*

Section 2: Hazards Identification

GHS Hazard Classification(s)
In accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).

Physical Hazard(s)
Flammable, Liquids - 4

Health Hazard(s)
Specific Target Organ Toxicity (STOT)-Respiratory Irritation, Single exposure - 3

Environmental Hazard(s)
Not classified.

Label Elements
Signal Word
WARNING

Hazard Symbol(s)

Hazard Statement(s)
H227: Combustible liquid.
H335: May cause respiratory Irritation.

Precautionary Statements
General
Not applicable.

Prevention
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response
P304 + P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a poison center or doctor if you feel unwell.
P370 + P378: In case of fire: Use suitable extinguishing media for extinction.

Storage

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
P403 + P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

Disposal

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC)

None known.

Section 3: Composition/Information on Ingredients

Substance

Chemical Identity [2]	Common Name/Synonym(s)	CAS # [3]	Weight %	Impurity or Stabilizing Additive
Dipropylene Glycol Monomethyl Ether	Glycol Ether DPM, Dipropylene Glycol Methyl Ether, DPGME	34590-94-8	> 99%	No

1. Information regarding the composition and the percent ranges of the mixtures ingredients are not presented as it Confidential Business Information (CBI). Where a medical emergency exists (as determined by medical professional), timely disclosure of CBI is assured. The information omitted pertains to only the names of the substances and the concentration in the mixture (product) and can only be requested by a doctor/physician or Local/State/Provincial or Federal Authority.
2. Non-hazardous ingredients are not presented as to protect the proprietary formula of the product.
3. "—"Indicates ingredient is a mixture and contains multiple ingredients or may have no identifying CAS number.

Section 4: First-Aid Measures

General Information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wash contaminated clothing before reuse.

Inhalation

Remove to fresh air. Keep patient warm and at rest. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

Skin Contact

Remove contaminated clothing as needed. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. If sticky, use waterless cleaner first. Seek medical attention if discomfort persists.

Eye Contact

Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If eye irritation persists, consult a specialist.

Ingestion

This material may be a slight health hazard if ingested in large quantities. If large quantity is swallowed, give lukewarm water if victim is completely conscious/alert. Do not induce vomiting. Risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention.

Most important symptoms/effects, acute and delayed

Symptoms

Non toxic if swallowed (LD50 oral, rat > 5000 mg/kg). Not irritant to skin. Non toxic in contact with skin (LD50 skin> 5000 mg/kg). Slightly harmful by inhalation. Not irritant to eyes. Caution! Substance is absorbed through the skin.
Symptoms/effects after inhalation: EXPOSURE TO HIGH CONCENTRATIONS - Central nervous system depression. Headache. Dizziness. Coordination disorders. Drunkenness. Disturbances of consciousness. May cause respiratory irritation.
Symptoms/effects after ingestion: AFTER INGESTION OF HIGH QUANTITIES: Nausea. Symptoms similar to those listed under inhalation.

Indication of immediate medical attention and special treatment needed

Hazards

No data available.

Treatment

Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5: Fire-Fighting Measures

General Fire Hazards

Toxic fumes may be released.

Suitable (and Unsuitable) Extinguishing Media

Suitable Extinguishing Media

Quick acting ABC powder extinguisher. Quick acting BC powder extinguisher. Quick acting class B foam extinguisher. Quick acting CO2 extinguisher. Class B foam (alcohol resistant). Water spray if puddle cannot expand. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable Extinguishing Media

Water (quick acting extinguisher, reel); risk of puddle expansion. Water; risk of puddle expansion.

Specific Hazards Arising from the Chemical

DIRECT FIRE HAZARD: Material presenting a fire hazard. INDIRECT FIRE HAZARD: Temperature above flashpoint: higher fire/explosion hazard. Reactions involving a fire hazard: see "Reactivity Hazard". Combustible liquid.

INDIRECT EXPLOSION HAZARD: Reactions with explosion hazards: see "Reactivity Hazard".

Special Protective Equipment and Precautions for Firefighters

Special Fire-Fighting Equipment Procedures

Cool containers with flooding quantities of water until well after fire is out.

Special Protective Equipment for Fire-Fighters

As in any fire, wear self-contained breathing apparatus pressure-demand (OSHA/NIOSH approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Use personal protective equipment. Eliminate all sources of ignition. Clean-up to be performed only by trained and properly equipped personnel.

Methods and Materials for Containment and Clean-Up

Eliminate all sources of ignition. All equipment used when handling this product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

Notification Procedures

No data available.

Environmental Precautions

Avoid release to the environment.

Section 7: Handling and Storage

Precautions for Safe Handling

Keep away from naked flames/heat. At temperature > flashpoint: use spark/explosion proof appliances. Use earthed equipment. In finely divided state: use spark -/explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Measure the concentration in the air regularly. Carry operations in the open/und er local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Clean contaminated clothing. Before use: check for peroxides and eliminate them. Keep the container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray.

Conditions for Safe Storage, including any Incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool. Store locked up. Keep the container tightly closed.

Heat-ignition: KEEP SUBSTANCE AWAY FROM: heat sources.

Information on mixed storage: KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. (strong) bases.

Storage area: Meet the legal requirements. Keep the container in a well-ventilated place. Provide the tank with earthing. Store only in a limited quantity.

Special rules on packaging: SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements. Secure fragile packaging in solid containers.

Packaging materials: SUITABLE MATERIAL: steel. Stainless steel. carbon steel. polypropylene. glass. MATERIAL TO AVOID: aluminum.

Section 8: Exposure Controls/Personal Protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Value	Source
Dipropylene Glycol Monomethyl Ether	STEL	150 ppm	US. ACGIH Threshold Limit Values
Dipropylene Glycol Monomethyl Ether	TWA	100 ppm	US. ACGIH Threshold Limit Values
Dipropylene Glycol Monomethyl Ether	TWA	100 ppm 600 mg/m^3	US OSHA Table Z-1

Biological Limit Values

The product does not contain any relevant quantities of hazardous materials with assigned biological limit values.

Appropriate Engineering Controls

Ensure good ventilation of the workstation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Individual protection measures, such as personal protective equipment (PPE)

General Information

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Eye/Face Protection

Wear safety glasses with side shields.

Skin Protection

Hand Protection

Wear appropriate chemical resistant gloves.

Other

Depending on the conditions of use, protective apron, boots, head and face protection should be worn. Use PPE that is chemical resistant to the product and prevents skin contact.

Respiratory Protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health professional or manufacturer for specific information.

Hygiene Measures

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated footwear that cannot be cleaned. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Avoid contact with eyes, skin, and clothing.

Section 9: Physical and Chemical Properties

Appearance:	
Physical State:	Liquid
Color:	Colorless
Odor:	Ether-like odor
Odor Threshold:	No data available.
pH:	7
Melting Point/Freezing Point:	-117 °F (-83 °C) at 1,013 hPa (760 mm Hg)
Initial Boiling Point and Boiling Range:	373.3 °F (190 °C) at 1,013 hPa (760 mm Hg)
Flash Point:	167 °F (75 °C) at 1,013 hPa (760 mm Hg)
Evaporation Rate (butyl acetate=1)**:**	0.01
Flammability (solid, gas):	Not applicable.
Upper/Lower Limit on Flammability or Explosive Limits	
Flammability Limit – Upper:	Not applicable.
Flammability Limit – Lower:	Not applicable.
Explosive Limit – Upper:	14% volume
Explosive Limit – Lower:	1.1% volume
Vapor Pressure:	~ 0.37 hPa (0.28 mm Hg) at 68 °F (20 °C)
Vapor Density (air =1)**:**	No data available.
Relative Density (water=1)**:**	0.95 (20 °C, DIN 51747: Oscillating densitometer)
Solubility(ies):	
Solubility in water:	100% at 77 °F (25 °C) completely miscible
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	log Pow: 0.004 at 77 °F (25 °C)
Auto-Ignition Temperature:	403.7 °F (207 °C) at 1,013 hPa (760 mm Hg)
Decomposition Temperature:	No data available.
Viscosity, Kinematic:	4.55 mm^2/s (20 °C, OECD 114: Viscosity of Liquids)

Other Information:

Molecular Weight:	148.2 g/mol
Formula:	No data available.

Section 10: Stability and Reactivity

Reactivity

Prolonged storage: may form peroxides on exposure to air. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion.

Chemical Stability

Material is stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

Incompatible Materials

No data available.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

Information on routes of exposure

Ingestion: Ingestion of very large amounts may cause CNS depression, respiratory failure, and death in cases of severe overexposure.
Inhalation: May cause mild CNS depression. Exposure to vapor may cause irritation of nose and throat.
Skin Contact: No data available.
Eye Contact: Exposure may cause irritation of the eyes.

Information on Toxicological Effects

Acute Toxicity (List all possible routes of exposure)

Oral

Dipropylene Glycol Monomethyl Ether: LD50 (Rat): >5,000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, 14 days)

Dermal

Dipropylene Glycol Monomethyl Ether: LD50 (Rabbit): 9,510 mg/kg body weight (Equivalent to OECD 402, 24 h, Rabbit, Male, Dermal, 14 days)

Inhalation

Dipropylene Glycol Monomethyl Ether: ATE 9,510 mg/kg body weight

Repeated Dose Toxicity

No data available.

Skin Corrosion/Irritation

No data available.

Serious Eye Damage/Eye Irritation

No data available.

Respiratory/Skin Sensitization

No data available.

Carcinogenicity

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

No component of this product present at levels greater than or equal to 0.1% is identified as possible or confirmed human carcinogen by IARC.

US. National Toxicology Program (NTP) Report on Carcinogens

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Germ Cell Mutagenicity

In Vitro

Not classified.

In Vivo

Not classified.

Reproductive Toxicity

Not classified.

Specific Target Organ Toxicity – Single Exposure

May cause respiratory irritation.

Specific Target Organ Toxicity – Repeated Exposure

Not classified.

Aspiration Hazard

Not classified.

Other Effects

No data available.

Section 12: Ecological Information

Ecotoxicity

Acute Hazards to the Aquatic Environment

Fish

LC50 Fish > 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Poecilia reticulata, Static system, Fresh water, Experimental value, GLP)

Aquatic Invertebrates

No data available.

Toxicity to Aquatic Plants

ErC50 Algae > 969 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, GLP)

Chronic Hazards to the Aquatic Environment

Fish

No data available.

Aquatic Invertebrates

No data available.

Toxicity to Aquatic Plants

No data available.

Persistence and Degradability

Biodegradation

Rapidly Biodegradable.

BOD/COD Ratio

No data available.

Bioaccumulative Potential

Bioconcentration Factor (BCF)

This material is not expected to bioaccumulate.

Partition Coefficient n-octanol / water (log Kow)

No data available.

Mobility in Soil

Highly mobile in soil.

Surface Tension = 68.7 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)

Partition coefficient n-octanol/water (Log Koc) = 1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

Other Adverse Effects

No data available.

Section 13: Disposal Considerations

Disposal Instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated Packaging

Handle contaminated packages in the same way as the substance itself. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks, and flames. Do not cut, puncture, or weld on or near this container. Follow label warnings until container is thoroughly cleaned or destroyed.

Section 14: Transportation Information

US Department of Transportation (DOT)

This material is not regulated as a hazardous material for transport by the U.S. Department of Transportation in accordance with 49 CFR 172.101.
DOT NA: NA1993
Proper Shipping Name: Combustible liquid, n.o.s
Packing Group: III
Special Provisions: 148, IB3, T1, TP1
Exceptions: 150
Non-bulk: 203
Bulk: 241
ERG: 128

Section 15: Regulatory Information

US Federal Regulations

Toxic Substance Control Act (TSCA), Chemical Substance Inventory, Section 8(b)

T - T - indicates a substance that is the subject of a final TSCA section 4 test rule.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance List (40 CFR 302.4)

No chemical(s) in this material are subject to the reporting requirements of CERCLA.

Clean Air Act (CAA), Section 112(r)

No chemical(s) in this material are subject to the reporting requirements of CAA.

Emergency Planning and Community Right-To-Know Act (EPCRA)

EPCRA 302 Extremely Hazardous Substance

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 302.

EPCRA 304 Emergency Response Notification

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 304.

EPCRA 311/312 Emergency and Hazardous Materials Reporting

Fire Hazard:	Yes
Sudden Release of Pressure:	No
Reactive:	No
Acute (Immediate) Health Hazard:	Yes
Chronic (Delayed) Health Hazard:	No

EPCRA 313 Toxic Chemical Release Inventory (TRI) Reporting

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

US State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Important Note: Due to the changing nature of regulatory requirements, the information in this document should NOT be considered all-inclusive or authoritative. Users should make their own investigations to determine the suitability of the information for their particular purposes. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.

Section 16: Other Information

Hazardous Materials Identification System (HMIS®) Classification

Health Hazard:	**2**
Chronic Health Hazard:	**/**
Flammability:	**2**
Physical Hazard:	**0**

(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

National Fire Protection Association (NFPA 704) Rating

Health Hazard:	**2**
Fire Hazard:	**2**
Reactivity Hazard:	**0**
Special:	**N/A**

(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

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Key to Abbreviations and Acronyms

ATE - Acute Toxicity Estimate
BCF - Bioconcentration Factor
EC50 - Effective concentration, 50%
IDHL – Immediately Dangerous to Life and Health
Kg – Kilogram
l – Liter
lb – Pound
LC50 - Lethal Concentration, 50%
LD50 - Lethal Dose, 50%
mg - milligram
ml – milliliter
ACGIH - American Conference of Industrial Hygienists
AIHA – American Industrial Hygiene Association
BEI - Biological Exposure Indices
CAS – Chemical Abstracts Service
DOT – US Department of Transportation
EPA – US Environmental Protection Agency
GHS - Globally Harmonized System of Classification and Labelling of Chemicals
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IBC - Intermediate Bulk Container
IMDG - International Maritime Dangerous Goods

N/A – Not Applicable
N/D – Not Determined
PEL – Permissible Exposure Limit
REL – Recommended Exposure Limit
STEL – Short-term Exposure Limit
TWA - Time weighted average
NIOSH – National Institute for Occupational Safety and Health
NTP – National Toxicology Program
OSHA – US Occupational Health and Safety Administration
SARA – US EPA Superfund Amendments and Reauthorization Act
TSCA – US EPA Toxic Substances Control Act
UN - United Nations

References

HSDB® - Hazardous Substances Data Bank

Disclaimer

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