

Sta-Sol® DPM

Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name: Sta-Sol® DPM

Common Name: Industrial Solvent

Chemical Name: Dipropylene Glycol Monomethyl Ether, CAS No. 34590-94-8

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Resin Cleaning and Coatings Applications

Uses advised against Not Available

1.3. Details of the supplier of the safety data sheet

Company J R Hess Company, Inc.
1-800-828-4377

400 Station Street
Cranston, RI 02910

E-mail address custserv@jrhess.com

1.4. Emergency telephone number

For information US call: 001-877-785-2271

Emergency Number CHEMTREC Tel. No.US:001-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

Flammable Liquids

Category 4

GHS Classification Scale (1= severe hazard; 4= slight hazard)

2.2. Label elements**Pictogram****Signal Word:****Warning****Hazard Statements**

H227 -- Combustible liquid

Precautionary Statements**Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/ protective clothing/ eye protection

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P271 Use only outdoors or in a well-ventilated area.

Response

P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell

Storage

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	CAS No.
Dipropylene Glycol Monomethyl Ether	>99%	34590-94-8

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures****Eye Contact**

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

Skin Contact

Immediately take off all contaminated clothing. For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

Ingestion

Do not induce vomiting. Obtain medical attention.

Inhalation

If inhalation of gas/fume/vapor/dust/mist from the material is excessive (air concentration is greater than the TLV or health effects are noticed), immediately remove the affected person(s) to fresh air. Seek medical attention.

Protection of First-aiders

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination

4.2. Most important symptoms and effects, both acute and delayed

No information available

4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically. This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

SECTION 5: FIREFIGHTING MEASURES

5.1. Flammable Properties

Flammable properties

Flash point: 167 °F (75 °C) at 1,013 hPa (760 mm Hg)

Autoignition temperature: 403.7 °F (206.5 °C) at 1,013 hPa (760 mm Hg)

Lower explosion limit: 1.1 vol%

Upper explosion limit :14 vol%

Flammability (solid, gas): Not applicable

Extinguishing media

SMALL FIRE: Use dry chemical, CO₂, water spray or regular foam.

LARGE FIRE: Use water spray, water fog or regular foam. Do not use straight streams.

Unsuitable extinguishing media: Do not use solid water stream.

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

5.2. Special hazards arising from the substance or mixture

No information available.

Hazardous Combustion Products:

Carbon monoxide (CO), Carbon dioxide (CO₂).

5.3. Advice for firefighters

Specific Hazards During Firefighting: Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Flammable vapors may be heavier than air and travel long distances along the ground before igniting and flashing back to vapor source. Fine sprays/mists may be combustible at temperatures below normal flash point. Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of burns/injuries. Cool

containers with flooding quantities of water until well after fire is out. Always stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Move containers from fire area if it can be done without risk. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. No smoking in area.

6.2. Environmental precautions

Should not be released into the environment.

6.3. Methods and material for containment and cleaning up

Collect spillage and collect in suitable container for disposal.

6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and flame. Containers, even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers. Avoid breathing vapor. Use with adequate ventilation. Keep container closed.

Wear personal protective equipment. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Use in industrial applications

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure controls

Control Parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Component	Regulation	Type of listing	Value
Dipropylene glycol monomethyl ether	Dow IHG	TWA	10 ppm
	Dow IHG	STEL	30 ppm
	OSHA Z-1	TWA	600 mg/m ³ 100 ppm
	Further information: X: Skin designation		
	ACGIH	TWA	50 ppm

Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice

Engineering Measures:

Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas

Personal protective equipment



Eye Protection:

Safety glasses with side-shields or face shield

Hand Protection:

Protective gloves. Chemical Resistant.

Skin and body protection:

Wear appropriate protective gloves and clothing to prevent skin exposure

Respiratory Protection:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls :	No information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Odor	Mild, Ether Like Odor
pH	N/A
Melting Point/Range	No data available
Boiling Point/Range	373.3 °F (189.6 °C)
Flash Point	closed cup 167 °F (75 °C) Setaflash Closed Cup ASTM D3828
Evaporation Rate	0.02 (butyl acetate = 1)
Flammability (solid,gas)	Not applicable
Lower explosion limit	1.1 % vol <i>Setaflash Closed Cup ASTM D3828</i>
Upper explosion limit	14 % vol <i>Setaflash Closed Cup ASTM D3828</i>
Auto-Ignition Temperature	405 °F (207°C)
Vapor Pressure	10 mmHg at 75.1 °C (167.2 °F)
Vapor Density	5.11 at 20 °C (68 °F) (Air = 1.0)
Specific Gravity / Density	0.951 g/cm ³
Bulk Density	No data available
Surface Tension	68.8 mN/m 1,000mg/l at 68 °F (20 °C)
Water Solubility	Completely soluble
Partition Coefficient (n- octanol/water)	log Pow: 0.006
Decomposition temperature	No data available
Viscosity	5.53 mm ² /s at 77 °F (25 °C) (static)
Explosive Properties Oxidizing Properties	No data available

9.2. Other information

Molecular Formula	Not Available
Molecular Weight	148.2 g/mol

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: No data available

10.2 Chemical stability: Stable under recommended storage conditions. See Storage, Section 7.

10.3 Possibility of hazardous reactions: Polymerization will not occur.

10.4 Conditions to avoid: Do not distill to dryness. Product can oxidize at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems.

10.5 Incompatible materials: Avoid contact with: Strong acids. Strong bases. Strong oxidizers.

10.6 Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials.. Decomposition products can include and are not limited to: Aldehydes.. Ketones.. Organic acids..

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

(a) acute toxicity;

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dipropylene glycol monomethyl ether	5,000 mg/kg Species: Rat	9,510 mg/kg Species: Rabbit	7 Hour, vapour, 3.35 mg/l Species: Rat

(b) skin corrosion/irritation; May cause mild skin irritation

(c) serious eye damage/irritation; May cause slight temporary eye irritation.

(d) respiratory or skin sensitization;

Respiratory No data available

Skin No data available

(e) germ cell mutagenicity; No data available on the product itself

(f) carcinogenicity; No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Do not dump into any sewers, on the ground, or into any body of water. Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation/treatment procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary).

SECTION 14: TRANSPORT INFORMATION

	TDG/DOT Classification	IMDG	IATA
UN Number	NA 1993	Not regulated	Not regulated
UN Proper Shipping Name	Combustible liquid, n.o.s.(DIPROPYLENE GLYCOL METHYL ETHER ISOMERS)	-	-
Transport Hazard Class	CBL	-	-
Packing Group	III	-	-
Environmental Hazards	No	No	No
Additional Information	-	-	-

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

US FEDERAL REGULATIONS:

TSCA: All components listed TSCA (Toxic Substances Control Act)

SARA 301 Extremely Hazardous Substance: No

SARA 311 & 312: Flammable (gases, aerosols, liquids, or solids)

SARA SECTION 313 NOTIFICATION:

This product does not contain any components above 'de minimus' level for Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

CAA 602 OZONE DEPLETING SUBSTANCES (ODS):

This product neither contains nor is manufactured with an ozone depleting substance subject to the labeling requirements of the Clean Air Act Amendments 1990 and 40 CFR Part 82.

US STATE REGULATIONS:

This material is not known to contain a chemical substance known to the State of California to cause cancer, reproductive, or developmental toxicity under California Proposition 65. However, we have not tested for the presence of listed chemical substances.

Pennsylvania Worker and Community Right-To-Know Act:

The following chemicals are listed because of the additional requirements of Pennsylvania law:

Dipropylene glycol monomethyl ether
34590-94-8

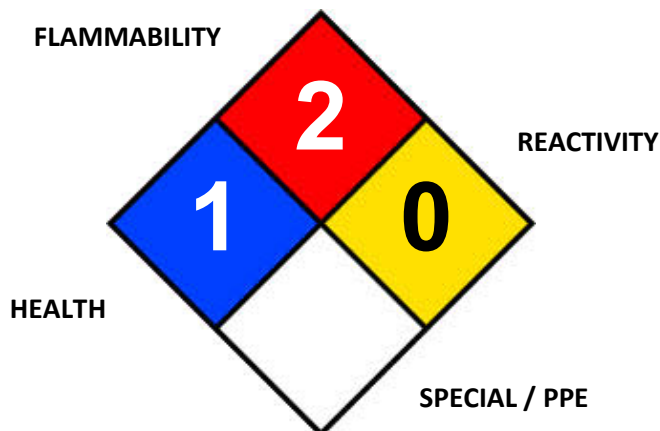
CANADIAN REGULATIONS: N/A

DSL/NDL: N/A

WHMIS CLASSIFICATION: N/A

15.2. Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has not been completed.

SECTION 16: OTHER INFORMATION**HMIS Rating:****Training Advice**

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

The information in this Safety Data Sheet should be provided to all who use, handle, transport, or otherwise are exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and persons working with or handling this product. The information presented in this SDS is premised upon proper handling and anticipated uses, and is for the material without chemical additions/alterations. Additionally, if this Safety Data Sheet is more than three years old, please contact this supplier at the phone number above Section 1 to make sure this sheet is current.

Disclaimer

Before using a product sold by John R. Hess & Company, Inc., users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally. SELLER MAKES NO WARRANTY; EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR

FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY) OTHER THAN AS SEPARATELY AGREED TO BY THE PARTIES IN A CONTRACT.

DATE PREPARED: 3/24/2026

SUPERCEDES:

REVISED SECTIONS: ALL

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