Substance key: 000000030564	Revision Date: 04/09/2025
Version : 5 - 0 / USA	Date of printing :09/08/2025

SECTION 1. IDENTIFICATION

Identification of the Distribtor:	Silver Fern Chemical, Inc. 121 W De La Guerra St STE B Santa Barbara, CA 93101 Phone: 1-866-282-3384 Info@silverfernchemical.com
Emergency tel. number:	**24 Hour Emergency Contact** **Infotrac 1-800-535-5053 (USA & Canada)** **Outside USA & Canada 1-352-323-3500**

Trade name:	**DIPROPYLENEGLYCOL DME**
Material number:	158543
Synonyms:	Product Has No Synonyms
Primary product use:	Raw material for industry Raw material for cleaning agents
Chemical family:	Dipropylene glycol dimethyl ether

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids : Category 4

GHS label elements

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/ face protection/ hearing protection.

Response:

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

Storage:

P403 Store in a well-ventilated place.

Disposal:

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

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Substance name : Dipropylene glycol dimethyl ether

CAS-No. : Not Assigned

Components

Chemical name	CAS No./Unique ID	Concentration (% w/w)	Trade secret
Dipropyleneglycol dimethylether	111109-77-4*	>= 80 - <= 100	TSC
Dipropylene glycol methyl ether	34590-94-8*	>= 0.1 - <= 1	TSC

* Indicates that the identifier is a CAS No.
TSC- the actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : Remove/ Take off immediately all contaminated clothing.

If inhaled : Move the victim to fresh air.
Give oxygen or artificial respiration if needed.
Get immediate medical advice/ attention.
Never give anything by mouth to an unconscious person.

In case of skin contact : Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately if irritation develops and persists.

If swallowed : IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Most important symptoms and effects, both acute and : The possible symptoms known are those derived from the labelling (see section 2).

delayed		No additional symptoms are known.
Notes to physician	:	None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Alcohol-resistant foam Dry powder Carbon dioxide (CO2) Water spray jet Cool containers/tanks with water spray.
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO) Burning produces noxious and toxic fumes.
Further information	:	Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity. Use protective clothing, eye protection, and self-contained breathing apparatus.
Special protective equipment for firefighters	:	Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Wear suitable protective equipment. Contain spill. Prevent sources of ignition. Wear appropriate respiratory protection and proper protective equipment. Ventilate if in enclosed area. Recover as liquid using hand or explosion proof pump or use suitable absorbant to collect. Clean up by flushing with water if appropriate or removal of contaminated soils.
Environmental precautions	:	Do not allow to enter drains or waterways
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7. HANDLING AND STORAGE

Advice on protection against	:	Take precautionary measures against build-up of electrostatic

fire and explosion		charges, e.g earthing during loading and off-loading operations. Keep away from sources of ignition - No smoking.
Advice on safe handling	:	Avoid contact with skin and eyes.
Further information on storage conditions	:	Keep container closed.
Materials to avoid	:	Keep away from oxidizing agents.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Dipropylene glycol methyl ether	34590-94-8	TWA	100 ppm 600 mg/m3	NIOSH REL
		ST	150 ppm 900 mg/m3	NIOSH REL
		TWA	100 ppm 600 mg/m3	OSHA Z-1
		TWA	100 ppm 600 mg/m3	OSHA P0
		STEL	150 ppm 900 mg/m3	OSHA P0
		TWA	50 ppm	ACGIH

Engineering measures : Local ventilation recommended - mechanical ventilation may be used.

Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection
Remarks : Butyl Rubber, PVC Or Neoprene.

Eye protection : Tightly fitting safety goggles

Skin and body protection	:	Wear suitable protective equipment.
Protective measures	:	Do not inhale vapours Avoid contact with skin and eyes.
Hygiene measures	:	Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid
Colour	:	colourless
Odour	:	very faint
pH	:	Concentration: 100 g/l neutral
Melting point	:	-112 °F / -80 °C Method: ISO 3016
Boiling point	:	347 °F / 175 °C (1,013 hPa) Method: ASTM D 1120
Flash point	:	142 - 145 °F / 61 - 63 °C Method: Pensky-Martens (DIN EN ISO 2719) (closed cup)
Evaporation rate	:	95 Method: DIN 53170
Flammability (solid, gas)	:	not determined
Upper explosion limit / upper flammability limit	:	5.57 %(V) Method: DIN 51649
Lower explosion limit / Lower flammability limit	:	0.77 %(V) Method: DIN 51649
Vapour pressure	:	221 Pa (77 °F / 25 °C) Method: Calculated by Syracuse.
Relative vapour density	:	not tested.

Relative density	:	0.903 (68 °F / 20 °C) Method: DIN 51757
Density	:	0.903 g/cm3 (68 °F / 20 °C) Method: DIN 51757
Solubility(ies)		
Water solubility	:	526 g/l (68 °F / 20 °C)
Solubility in other solvents	:	miscible Solvent: fat
Partition coefficient: n-octanol/water	:	log Pow: 0.42
Auto-ignition temperature	:	329 °F / 165 °C Method: DIN 51794
Decomposition temperature	:	> 572 °F / > 300 °C
Viscosity		
Viscosity, dynamic	:	not determined
Viscosity, kinematic	:	1.12 mm2/s (68 °F / 20 °C) Method: DIN 51562
Molecular weight	:	162.23 g/mol
Particle size	:	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. Stable
Conditions to avoid	:	Strong oxidizing agents
Incompatible materials	:	not known
Hazardous decomposition products	:	When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact
Skin contact
Inhalation
Ingestion

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity	:	LD50 (Rat, male and female): 3,329 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 792 ppm Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403 GLP: yes Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	:	LD50 (Rat, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes

Components:

Dipropyleneglycol dimethylether:

Acute oral toxicity	:	LD50 (Rat, male and female): 3,329 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 792 ppm Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403 GLP: yes Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	:	LD50 (Rat, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes

Dipropylene glycol methyl ether:

Acute oral toxicity	:	LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401

Acute inhalation toxicity	:	LC0 (Rat, male and female): > 275 ppm Exposure time: 7 h Test atmosphere: vapour Method: OECD Test Guideline 403
Acute dermal toxicity	:	LD50 (Rabbit, male): 9,510 mg/kg Method: OECD Test Guideline 402

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Product:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation
GLP	:	yes

Components:

Dipropyleneglycol dimethylether:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation
GLP	:	yes

Dipropylene glycol methyl ether:

Species	:	Rabbit
Exposure time	:	5 d
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Product:

Species	:	Rabbit
Result	:	No eye irritation
Method	:	OECD Test Guideline 405
GLP	:	yes

Components:

Dipropyleneglycol dimethylether:

Species	:	Rabbit
Result	:	No eye irritation
Method	:	OECD Test Guideline 405
GLP	:	yes

Dipropylene glycol methyl ether:

Species	:	Human
Result	:	No eye irritation
Exposure time	:	60 min
Method	:	Other

Respiratory or skin sensitisation

Skin sensitisation

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Not classified

Product:

Test Type	:	Maximisation Test
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Not a skin sensitizer.
GLP	:	yes

Components:

Dipropyleneglycol dimethylether:

Test Type	:	Maximisation Test
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Not a skin sensitizer.
GLP	:	yes

Dipropylene glycol methyl ether:

Test Type	:	Skin
Species	:	Humans
Method	:	Other
Result	:	Not a skin sensitizer.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Product:

Genotoxicity in vitro	:	Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative GLP: yes Test Type: Mammalian cell gene mutation assay Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476

Result: negative
GLP: yes

Test Type: Chromosome aberration test in vitro
Test system: mammalian cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
GLP: yes

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse (male and female)
Strain: CD1
Application Route: oral (gavage)
Dose: 0, 200, 666 or 2000 mg/kg
Method: OECD Test Guideline 474
Result: negative
GLP: yes

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects

Components:

Dipropyleneglycol dimethylether:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

Test Type: Mammalian cell gene mutation assay
Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes

Test Type: Chromosome aberration test in vitro
Test system: mammalian cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
GLP: yes

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse (male and female)
Strain: CD1
Application Route: oral (gavage)
Dose: 0, 200, 666 or 2000 mg/kg
Method: OECD Test Guideline 474

Result: negative
GLP: yes

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects

Dipropylene glycol methyl ether:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

Test Type: In vitro study
Test system: Saccharomyces cerevisiae
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 481
Result: negative
GLP: yes

Test Type: In vitro mammalian cell gene mutation test
Test system: Chinese hamster lung cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
GLP: yes

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects

Carcinogenicity

Not classified

Product:

Carcinogenicity - Assessment : No information available.

Components:

Dipropyleneglycol dimethylether:

Carcinogenicity - Assessment : No information available.

Dipropylene glycol methyl ether:

Species : Rat, male and female
Application Route : inhalation (vapour)
Method : OECD Test Guideline 453
Result : negative
GLP : yes

Remarks : By analogy with a product of similar composition

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

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

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP 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.

Reproductive toxicity

Not classified

Product:

Effects on foetal development : Test Type: Pre-natal
Species: Rat
Strain: Sprague-Dawley
Application Route: inhalation (vapour)
Dose: 0, 70, 225, 700 ppm
General Toxicity Maternal: NOEL: 225 ppm
Teratogenicity: NOEL: 700 ppm
Embryo-foetal toxicity: NOEL: 700 ppm
Method: OECD Test Guideline 414
GLP: yes

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

Components:

Dipropyleneglycol dimethylether:

Effects on foetal development : Test Type: Pre-natal
Species: Rat
Strain: Sprague-Dawley
Application Route: inhalation (vapour)
Dose: 0, 70, 225, 700 ppm
General Toxicity Maternal: NOEL: 225 ppm
Teratogenicity: NOEL: 700 ppm
Embryo-foetal toxicity: NOEL: 700 ppm
Method: OECD Test Guideline 414
GLP: yes

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

Dipropylene glycol methyl ether:

Effects on foetal : Test Type: reproductive and developmental toxicity study

development		Species: Rat, male and female Strain: Fischer F344 Application Route: Inhalation Dose: 50, 150, 300 parts per million General Toxicity Maternal: NOAEL: >= 300 ppm Method: Other GLP: yes
Reproductive toxicity - Assessment	:	No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

STOT - single exposure

Based on available data, the classification criteria are not met.

Product:

Assessment	:	The substance or mixture is not classified as specific target organ toxicant, single exposure.

Components:

Dipropyleneglycol dimethylether:

Assessment	:	The substance or mixture is not classified as specific target organ toxicant, single exposure.

Dipropylene glycol methyl ether:

Assessment	:	The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Based on available data, the classification criteria are not met.

Product:

Assessment	:	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Components:

Dipropyleneglycol dimethylether:

Assessment	:	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Dipropylene glycol methyl ether:

Assessment	:	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Product:

Species	:	Rat, male and female

NOAEL	:	400 mg/kg bw/day
Application Route	:	oral (gavage)
Exposure time	:	28 d
Dose	:	0, 100, 400, 1000 mg/kg bw/d
Method	:	OECD Test Guideline 407
GLP	:	yes

Components:

Dipropyleneglycol dimethylether:

Species	:	Rat, male and female
NOAEL	:	400 mg/kg bw/day
Application Route	:	oral (gavage)
Exposure time	:	28 d
Dose	:	0, 100, 400, 1000 mg/kg bw/d
Method	:	OECD Test Guideline 407
GLP	:	yes

Dipropylene glycol methyl ether:

Species	:	Rat, male and female
NOEL	:	200 mg/kg
NOAEL	:	1000 mg/kg bw/day
Application Route	:	oral (gavage)
Exposure time	:	4 weeks
Number of exposures	:	daily
Dose	:	40, 200, 1000 mg/kg/day
Method	:	Other
GLP	:	yes

Aspiration toxicity

Not classified

Product:

no data available

Components:

Dipropyleneglycol dimethylether:

no data available

Dipropylene glycol methyl ether:

no data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish	:	LC50 (Poecilia reticulata (guppy)): > 1,000 mg/l End point: mortality Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: yes
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1,000 mg/l End point: mortality Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (algae)): 4,307 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
Toxicity to fish (Chronic toxicity)	:	NOEC (Oncorhynchus mykiss (rainbow trout)): > 300 mg/l End point: mortality Exposure time: 14 d Test Type: flow-through test Method: OECD Test Guideline 204 GLP: yes
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (Daphnia magna (Water flea)): 10 mg/l Exposure time: 21 d Test Type: semi-static test Method: OECD Test Guideline 202 GLP: yes
Toxicity to microorganisms	:	NOEC (activated sludge): 100 mg/l Exposure time: 30 min Test Type: static test Method: OECD Test Guideline 209 GLP: yes
Toxicity to soil dwelling organisms	:	LC50 (Eisenia fetida (earthworms)): > 1,000 mg/kg Exposure time: 14 d End point: mortality Method: OECD Test Guideline 207
Plant toxicity	:	LC50: > 100 mg/kg Exposure time: 17 d Species: Avena sativa (oats) Method: OECD Guide-line 208

GLP: yes

Components:

Dipropyleneglycol dimethylether:

Toxicity to fish	:	LC50 (Poecilia reticulata (guppy)): > 1,000 mg/l End point: mortality Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: yes
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1,000 mg/l End point: mortality Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (algae)): 4,307 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
Toxicity to fish (Chronic toxicity)	:	NOEC (Oncorhynchus mykiss (rainbow trout)): > 300 mg/l End point: mortality Exposure time: 14 d Test Type: flow-through test Method: OECD Test Guideline 204 GLP: yes
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (Daphnia magna (Water flea)): 10 mg/l Exposure time: 21 d Test Type: semi-static test Method: OECD Test Guideline 202 GLP: yes
Toxicity to microorganisms	:	NOEC (activated sludge): 100 mg/l Exposure time: 30 min Test Type: static test Method: OECD Test Guideline 209 GLP: yes
Toxicity to soil dwelling organisms	:	LC50 (Eisenia fetida (earthworms)): > 1,000 mg/kg Exposure time: 14 d End point: mortality Method: OECD Test Guideline 207
Plant toxicity	:	LC50: > 100 mg/kg Exposure time: 17 d Species: Avena sativa (oats) Method: OECD Guide-line 208

GLP: yes

Dipropylene glycol methyl ether:

Toxicity to fish	:	LC50 (Poecilia reticulata (guppy)): > 1,000 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: yes
Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Daphnia magna (Water flea)): 1,919 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	NOEC (Pseudokirchneriella subcapitata (microalgae)): 969 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
Toxicity to fish (Chronic toxicity)	:	Remarks: no data available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (Daphnia magna (Water flea)): >= 0.5 mg/l Exposure time: 22 d Test Type: flow-through test Method: OECD Test Guideline 211 GLP: yes
Toxicity to microorganisms	:	EC10 (Pseudomonas putida): 4,168 mg/l Exposure time: 18 h Test Type: static test Method: Other GLP: yes
Plant toxicity	:	NOEC: 500 Test period: 21 d Species: Zea mays Method: see user defined free text

Ecotoxicology Assessment

Chronic aquatic toxicity	:	This product has no known ecotoxicological effects.

Persistence and degradability

Product:

Biodegradability	:	Biodegradation: 32 % Exposure time: 28 d Method: OECD Test Guideline 301B

Components:

Dipropyleneglycol dimethylether:

Biodegradability : Zahn-Wellens Test
Dissolved organic carbon (DOC)
Result: Not readily biodegradable.
Biodegradation: 25 %
Exposure time: 28 d
Method: OECD Test Guideline 302B

Dipropylene glycol methyl ether:

Biodegradability : Inoculum: activated sludge
Dissolved organic carbon (DOC)
Result: Readily biodegradable.
Biodegradation: 96 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
GLP: yes

Photodegradation : Test Type: air
Light source: Sunlight
Method: other (measured)

Bioaccumulative potential

Product:

Bioaccumulation : Species: Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): 4
Method: OECD Test Guideline 305
Remarks: Bioaccumulation is unlikely.

Components:

Dipropyleneglycol dimethylether:

Bioaccumulation : Species: Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): 4
Method: OECD Test Guideline 305
Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 0.42 (68 °F / 20 °C)

Dipropylene glycol methyl ether:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 0.004 (77 °F / 25 °C)
pH: 7.5 - 7.7
Method: OECD Test Guideline 107
GLP: yes

Mobility in soil

Product:

Distribution among environmental compartments : Adsorption/Soil
Koc: 24, log Koc: 1.38
Method: OECD Test Guideline 106

Components:

Dipropyleneglycol dimethylether:

Distribution among environmental compartments : Adsorption/Soil
Koc: 24, log Koc: 1.38
Method: OECD Test Guideline 106

Other adverse effects

no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

RCRA - Resource Conservation and Recovery Authorization Act : No -- Not as sold.

Waste Code : none

Waste from residues : Dispose of this product in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

SECTION 14. TRANSPORT INFORMATION

DOT Regulation:

UN/NA-number: NA 1993
Proper shipping name: Combustible liquid, n.o.s.
Technical Name: Dipropylene Glycol Dimethyl Ether

Primary hazard class: C
Packing group: III

IATA not restricted

IMDG not restricted

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

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

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

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307
This product does not contain any priority pollutants related to the U.S. Clean Water Act

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory, All components are compliant with the TSCA Inventory Notification (Active) rule.

TSCA list

TSCA - 5(a) Significant New Use Rule List of Chemicals: [62 FR 59583, Nov. 4, 1997; 62 FR 63035, Nov. 26, 1997]

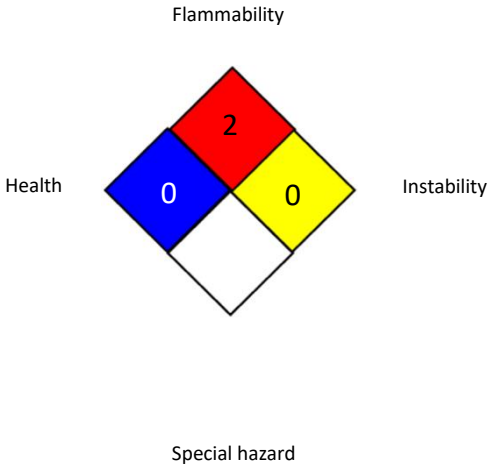
TSCA - 12(b) Export Notification List of Chemicals:

Significant New Use Rule (SNUR; 40 CFR § 721.3550) : Any use in a Consumer Product is a Significant New Use (40 CFR § 721.80(o)); Required protections in the workplace include personal protective equipment that provides barrier to skin exposure in the specific work area where it is selected for use is required to be provided and worn; impermeable gloves are required; protective equipment must provide impervious barrier for the expected conditions and duration of exposure (see 40 CFR § 721.63 (a)(1), (a)(2)(i), and (a)(3)).

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA P0	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA P0 / TWA	:	8-hour time weighted average
OSHA P0 / STEL	:	Short-term exposure limit
OSHA Z-1 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50

- Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Observe national and local legal requirements
Take measures to prevent the build up of electrostatic charge.
Wear suitable protective equipment.
Avoid skin contact.
Keep away from heat.
Keep away from flames and sparks.

Revision Date : 04/09/2025

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information’s accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE. Nothing included in this information waives any of Clariant’s General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.