

Safety Data Sheet

TechLube Multi

Safety Data Sheet date: 9/11/2023, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: TechLube Multi

Other means of identification:

SDS code: P10698

Recommended use of the chemical and restrictions on use

Recommended use:

Lubricant

Industrial uses

Restrictions on use:

No uses advised against are identified.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Manufacturers:

Socomore SASU

Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France

Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 50 26

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Competent person responsible for the safety data sheet:

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Socomore Canada Limited - +1-604-420-7707 (Monday-Friday; 7:30 am - 5:00 pm)

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Label elements

The product is not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard pictograms:

None

Hazard statements:

None

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Precautionary statements:

None

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 0.3% - < 0.5% Propane-1,2-diol

REACH No.: 01-2119456809-23, CAS: 57-55-6, EC: 200-338-0

The product is not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

Treatment:

No particular treatment.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Unsuitable extinguishing media

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

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Hazardous combustion products:

None

Explosive properties: N.A.**Oxidizing properties:** N.A.**Special protective equipment and precautions for fire-fighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not use on extensive surface areas in premises where there are occupants.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities

Product should be stored at above freezing conditions.(>0°C)

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature:

Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Propane-1,2-diol - CAS: 57-55-6

- OEL Type: National - TWA: 10 mg/m³ - Behaviour: Binding - Notes: UK - EH40 WELs, Particulate

- OEL Type: National - TWA: 474 mg/m³, 150 ppm - Notes: UK - EH40 WELs, Total vapour and particulates

- OEL Type: National - TWA: 10 mg/m³ - Notes: Ireland ELV, Particulate

- OEL Type: National - TWA: 470 mg/m³, 150 ppm - Notes: Ireland, ELV, Total vapour and particulates

DNEL Exposure Limit Values

Propane-1,2-diol - CAS: 57-55-6

Worker Industry: 168 mg/m³ - Consumer: 50 mg/m³ - Exposure: Human Inhalation -

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Frequency: Long Term, systemic effects

Worker Industry: 10 mg/m³ - Consumer: 10 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, local effects

Consumer: 213 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 85 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

Propane-1,2-diol - CAS: 57-55-6

Target: Fresh Water - Value: 260 mg/l

Target: Marine water - Value: 26 mg/l

Target: Freshwater sediments - Value: 572 mg/kg dw

Target: Marine water sediments - Value: 57.2 mg/kg dw - Notes:: evaluation factor : 50

Target: Soil (agricultural) - Value: 50 mg/kg dw - Notes:: evaluation factor : 500

Target: Microorganisms in sewage treatments - Value: 20000 mg/l

Target: PNEC intermittent - Value: 183 mg/l - Notes:: evaluation factor -100

Target: PNEC Oral (foodstuff) - Value: 1133 mg/kg - Notes:: evaluation factor -30

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Safety goggles (EN 166)

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

NR (natural rubber, natural latex).

NBR (nitrile rubber).

PVA (Polyvinyl alcohol).

PVC (polyvinyl chloride).

Butyl rubber (isobutylene-isoprene copolymer)

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Colourless	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--

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pH:	7	ISO 4316	--
Melting point / freezing point:	<0°C	--	--
Initial boiling point and boiling range:	100°C	--	--
Flash Point (°F):	N.A.	--	--
Flash point (°C):	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	liquid
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	> 1	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	5400-6500 CPS @25°C	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

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Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

None

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

Propane-1,2-diol - CAS: 57-55-6

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 22000 mg/kg bw

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg bw - Notes: 24h

Test: LC50 - Route: Inhalation - Species: Rabbit > 317 mg/l - Duration: 2h

Carcinogenicity:

Test: NOAEC - Route: Inhalation - Species: Rat > 350 mg/m³

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

None.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

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12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

Propane-1,2-diol - CAS: 57-55-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 40613 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Daphnia = 18340 mg/l - Duration h: 48 - Notes: Ceriodaphnia dubia

Endpoint: EC50 - Species: Algae = 19000 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapita

Endpoint: NOEC - Species: bacteria = 20000 mg/l - Duration h: 18 - Notes: Pseudomonas putida

Endpoint: LC50 - Species: Daphnia = 18800 mg/l - Duration h: 96 - Notes: Americamysis bahia

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 13020 mg/l - Duration h: 168 - Notes: Ceriodaphnia dubia

Endpoint: ChV - Species: Fish = 2500 mg/l - Notes: 10 days, Corophium volutator

Endpoint: LC50 - Species: Sedimentary organisms = 6983 mg/l - Notes: 28 days, OCDE 301F

Persistence and degradability

Propane-1,2-diol - CAS: 57-55-6

Biodegradability: Biodegradation in water - Duration: 28 days - %: 81.7 - Notes: OCDE, 301F

Biodegradability: Biodegradation (soil) - Duration: 105 days - %: 98

Bioaccumulative potential

Propane-1,2-diol - CAS: 57-55-6

BCF 0.09

Log Pow -1.07

Mobility in soil

N.A.

Other adverse effects

No harmful effects expected.

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

UN number

Not classified as dangerous in the meaning of ADR, IATA and IMDG transport regulations.

UN proper shipping name

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N.A.

Transport hazard class(es)

N.A.

Packing group

N.A.

Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

Special precautions

N.A.

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory or are not required to be listed on the TSCA.

TSCA sections for substances listed in section 3:

Propane-1,2-diol is listed in TSCA Section 8b.

SARA - Superfund Amendments and Reauthorization Act

Section 302 Extremely Hazardous Substances: no substances listed.

Section 304 Hazardous substances: no substances listed.

Section 313 Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

Propane-1,2-diol is listed in CAA Section 111, Section 112(b) - HON.

CWA - Clean Water Act

CWA listed substances:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

No substances listed.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

Propane-1,2-diol.

Pennsylvania Right to know

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Substance(s) listed under Pennsylvania Right to know:
Propane-1,2-diol.

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

16. OTHER INFORMATION

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Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.

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RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average