

Creation Date 19-Oct-2009

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Revision Number 2

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

Product Identifier

Product Description: Di(propylene glycol) methyl ether
Reach Registration Number 01-2119450011-60
Cat No. 428200000; 428200010; 428200050

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

Recommended Use Laboratory chemicals
Uses advised against No Information available

Details of the supplier of the safety data sheet

Company

Acros Organics BVBA
 Janssen Pharmaceuticaaan 3a
 2440 Geel, Belgium

E-mail address begel.sdsdesk@thermofisher.com

Emergency Telephone Number

For information in the US, call: 001-800-ACROS-01
 For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99
 Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300
 CHEMTREC Phone Number, Europe: 001-703-527-3887

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Based on available data, the classification criteria are not met

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

R-phrases(s) none

Label Elements

Signal Word None

Hazard Statements

Other Hazards

No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	EC-No.	Weight %	CAS-No	DSD Classification - 67/548/EEC	CLP Classification - Regulation (EC) No 1272/2008	REACH No.
Dipropylene glycol monomethyl ether 34590-94-8	EEC No. 252-104-2	>95	34590-94-8	-	-	01-2119450011-60

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

SECTION 4. FIRST AID MEASURES**Description of first aid measures****General Advice**

If symptoms persist, call a physician Show this safety data sheet to the doctor in attendance

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

Ingestion

Do not induce vomiting. Obtain medical attention.

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

Protection of First-aiders

Use personal protective equipment

Notes to Physician

Treat symptomatically

SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing media****Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Cool closed containers exposed to fire with water spray.

Extinguishing media which must not be used for safety reasons

No information available.

Special hazards arising from the substance or mixture

Combustible material. Containers may explode when heated.

Advice for fire-fighters

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

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Remove all sources of ignition. Take precautionary measures against static discharges.

Environmental precautions

Should not be released into the environment.

Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

SECTION 7. HANDLING AND STORAGE**Precautions for Safe Handling**

Wear personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment. Use only non-sparking tools. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition.

Specific End Uses**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure limits****Component**

Dipropylene glycol
monomethyl ether

European Union	The United Kingdom	France	Belgium	Spain
TWA: 50 ppm 8 hr TWA: 308 mg/m ³ 8 hr	STEL: 150 ppm 15 min STEL: 924 mg/m ³ 15 min TWA: 50 ppm 8 hr TWA: 308 mg/m ³ 8 hr Skin	TWA / VME: 50 ppm (8 heures). restrictive limit TWA / VME: 308 mg/m ³ (8 heures). restrictive limit limit Peau	TWA: 50 ppm 8 uren TWA: 308 mg/m ³ 8 uren Huid	TWA / VLA-ED: 50 ppm (8 horas) TWA / VLA-ED: 308 mg/m ³ (8 horas) Piel

Component

Dipropylene glycol
monomethyl ether

Italy	Germany	Portugal	The Netherlands	Finland
TWA: 50 ppm 8 ore. TWA: 308 mg/m ³ 8 ore. Skin	TWA: 50 ppm (8 Stunden). AGW - exposure factor 1 TWA: 310 mg/m ³ (8 Stunden). AGW - exposure factor 1 TWA: 50 ppm (8 Stunden). MAK TWA: 310 mg/m ³ (8 Stunden). MAK mixture of isomers Höhepunkt: 50 ppm Höhepunkt: 310 mg/m ³	STEL: 150 ppm 15 minutos TWA: 100 ppm 8 horas Pele	TWA: 300 mg/m ³ 8 uren	TWA: 50 ppm 8 tunteina TWA: 310 mg/m ³ 8 tunteina Skin

Component

Dipropylene glycol
monomethyl ether

Austria	Denmark	Switzerland	Poland	Norway
Skin STEL: 100 ppm 15 Minuten STEL: 614 mg/m ³ 15 Minuten TWA: 50 ppm 8 Stunden TWA: 307 mg/m ³ 8 Stunden	TWA: 50 ppm 8 timer TWA: 300 mg/m ³ 8 timer Skin	STEL: 50 ppm 15 Minuten STEL: 300 mg/m ³ 15 Minuten MAK: 50 ppm 8 Stunden MAK: 300 mg/m ³ 8 Stunden	NDSch: 480 mg/m ³ 15 minutach TWA: 240 mg/m ³ 8 godzinach	TWA: 50 ppm 8 timer TWA: 300 mg/m ³ 8 timer STEL: 75 ppm 15 minutter. STEL: 375 mg/m ³ 15 minutter. Skin

Component	Bulgaria	Croatia	Ireland	Cyprus	Czech Republic
Dipropylene glycol monomethyl ether	TWA: 308.0 mg/m ³ Skin notation	Skin Notation TWA: 50 ppm 8 satima. TWA: 308 mg/m ³ 8 satima.	TWA: 50 ppm 8 hr. TWA: 308 mg/m ³ 8 hr. Skin	Skin-potential for cutaneous absorption TWA: 50 ppm TWA: 308 mg/m ³	TWA: 270 mg/m ³ 8 hodinách. Potential for cutaneous absorption Ceiling: 550 mg/m ³

Component	Estonia	Gibraltar	Greece	Hungary	Iceland
Dipropylene glycol monomethyl ether	Skin notation TWA: 50 ppm 8 tundides. TWA: 308 mg/m ³ 8 tundides.	Skin notation TWA: 50 ppm 8 hr TWA: 308 mg/m ³ 8 hr	skin - potential for cutaneous absorption STEL: 150 ppm STEL: 900 mg/m ³ TWA: 100 ppm TWA: 600 mg/m ³	STEL: 308 mg/m ³ 15 percekben. TWA: 308 mg/m ³ 8 órában.	TWA: 50 ppm 8 klukkustundum. TWA: 300 mg/m ³ 8 klukkustundum. Skin notation Ceiling: 100 ppm Ceiling: 600 mg/m ³

Component	Latvia	Lithuania	Luxembourg	Malta	Romania
Dipropylene glycol monomethyl ether	skin - potential for cutaneous exposure TWA: 50 ppm TWA: 308 mg/m ³	TWA: 50 ppm TWA: 300 mg/m ³ Skin notation STEL: 75 ppm STEL: 450 mg/m ³		possibility of significant uptake through the skin TWA: 50 ppm TWA: 308 mg/m ³	Skin notation TWA: 50 ppm 8 ore TWA: 308 mg/m ³ 8 ore

Component	Russia	Slovak Republic	Slovenia	Sweden	Turkey
Dipropylene glycol monomethyl ether		Ceiling: 568 mg/m ³ TWA: 50 ppm TWA: 308 mg/m ³	TWA: 50 ppm 8 urah TWA: 308 mg/m ³ 8 urah Potential for cutaneous absorption	STV: 75 ppm 15 minuter STV: 450 mg/m ³ 15 minuter LLV: 50 ppm 8 timmar. LLV: 300 mg/m ³ 8 timmar. Skin notation	Skin notation TWA: 50 ppm 8 saat TWA: 308 mg/m ³ 8 saat

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

Exposure controls**Engineering Measures**

Ensure that eyewash stations and safety showers are close to the workstation location Ensure adequate ventilation, especially in confined areas Use explosion-proof electrical/ventilating/lighting/equipment

Personal protective equipment**Eye Protection**

Safety glasses with side-shields

Hand Protection

Protective gloves

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

When using, do not eat, drink or smoke Provide regular cleaning of equipment, work area and clothing

Environmental exposure controls

No information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State
Appearance**

Liquid
Colorless

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Odor	Ether
pH	6 200 g/l aq.sol.
Vapor Pressure	0.4 mmHg @ 25°C
Viscosity	4 mPa.s @ 25°C
Boiling Point/Range	180°C / 356°F
Melting Point/Range	-80°C / -112°F
Flash Point	75°C / 167°F
Autoignition Temperature	270°C
Explosion Limits	
Lower	1.3 Vol%
Upper	10.4 Vol%
Water Solubility	soluble
Specific Gravity	0.95
Molecular Formula	C7 H16 O3
Molecular Weight	148.20

SECTION 10. STABILITY AND REACTIVITY**Reactivity****Chemical Stability**

Hygroscopic.

Possibility of Hazardous Reactions

Hazardous Polymerization	No information available.
Hazardous Reactions	None under normal processing..

Conditions to Avoid

Keep away from open flames, hot surfaces and sources of ignition, Incompatible products, Excess heat, Exposure to moist air or water.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

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

SECTION 11. TOXICOLOGICAL INFORMATION**Information on Toxicological Effects****Acute Toxicity**

Product Information See actual entry in RTECS for complete information.

Component Information**Component**

Dipropylene glycol
monomethyl ether

LD50 Oral	LD50 Dermal	LC50 Inhalation
5230 mg/kg (Rat)	9500 mg/kg (Rabbit)	

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

Sensitization	No information available.
Mutagenic Effects	Not mutagenic in AMES Test
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target Organs	None known.
Other Adverse Effects	The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information
Endocrine Disruptor Information	None known

SECTION 12. ECOLOGICAL INFORMATION**Toxicity**

Ecotoxicity effects Do not empty into drains

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Dipropylene glycol monomethyl ether		Pimephales promelas: LC50 >10000 mg/L/96h		1919 mg/L LC50 = 48 h

Persistence and degradability

Readily biodegradable

Bioaccumulative potential

No information available.

Component	log Pow
Dipropylene glycol monomethyl ether	-0.064

Mobility in soil

No information available.

Results of PBT and vPvB assessment**Other adverse effects**

No information available

SECTION 13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste from Residues / Unused Products Dispose of in accordance with local regulations

Contaminated Packaging Empty containers should be taken to local recyclers for disposal

SECTION 14. TRANSPORT INFORMATION

IMDG/IMO Not regulated

ADR Not regulated

IATA Not regulated

SECTION 15. REGULATORY INFORMATION

SECTION 15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture****International Inventories**

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Dipropylene glycol monomethyl ether	252-104-2	-		T	X	-	X	X	X	X	X

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Existing and Evaluated Chemical Substances

Chemical Safety Assessment**SECTION 16. OTHER INFORMATION****Full text of R-phrases referred to under sections 2 and 3**

No information available.

Revision Date

02-Apr-2013

Revision Summary

Reason for revision

(M)SDS sections updated, 1, 3.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet