

SAFETY DATA SHEET

EU SDS Example MSDS

Conforms to 91/155/EEC - 2001/58/EC

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the Substance/Preparation	EU SDS Example MSDS
Use of the substance/preparation	Laundry additive
Company/undertaking identification	Dell Tech Laboratories Ltd. UWO Research Park 100 Collip Circle, Suite 220 London, ON N6G 4X8 CA
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Date of issue	26-Sept-2008

2. Hazards Identification

This preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification	Irritant, R36/38
Physical hazards	Not applicable.
Health hazards	Irritating to eyes and skin.
Environmental hazards	Not applicable.
Potential environmental effects	Not applicable.

See Section 11 for more detailed information on health effects and symptoms.

3. Composition/Information on Ingredients

Component(s)	CAS #	Percent	EC-No.	Classification
(2-Methoxymethylethoxy) propanol	34590-94-8	20 - 40	252-104-2	
Cyclopentasiloxane, decamethyl-	541-02-6	20 - 40	208-764-9	Xi, R36/38
Dipropylene glycol n-propyl ether	29911-27-1	20 - 40	249-949-4	Xi, R36/38

Refer to Section 16 for the risk phrases.

4. First Aid Measures

Inhalation	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately.
Skin contact	Immediately flush with water. Wash with soap and water. Obtain medical attention if irritation persists.
Eye contact	Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.
Ingestion	Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Take off contaminated clothing and shoes immediately.
Notes to physician	Treat patient symptomatically.

SAFETY DATA SHEET

EU SDS Example MSDS

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5. Fire-fighting Measures

Suitable extinguishing media	Dry chemical. Carbon dioxide. Alcohol foam.
Extinguishing media which must not be used for safety reason	Not available
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Unusual fire & explosion hazards	May burn, but does not ignite readily. Containers may explode when heated.
General fire hazards	Firefighters should wear a self-contained breathing apparatus.
Specific hazards	Cool containers with flooding quantities of water until well after fire is out.
Fire fighting equipment/instructions	Move containers from fire area if you can do it without risk. Do not scatter spilled material with high pressure water streams.
Specific methods	See suitable extinguishing media above.

6. Accidental Release Measures

Personal precautions	Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Environmental precautions	Do not contaminate water.
Methods for cleaning up	Prevent product from entering drains. Do not allow material to contaminate ground water system. Soak up with inert absorbent material and dispose of as hazardous waste. Never return spills in original containers for re-use.
Evacuation procedures	Keep unnecessary personnel away. Ventilate closed spaces before entering. Stay upwind. Keep out of low areas. Local authorities should be advised if significant spillages cannot be contained.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material. Use according to package label instructions. Do not get this material in contact with skin or eyes.
Storage	Store in a closed container away from incompatible materials. Keep out of reach of children.
Further information	No special precautions required.

8. Exposure Controls / Personal Protection

Exposure limit values	See below.
United Kingdom - Workplace Exposure Limits (WELs) - Skin Notations	
Dipropylene glycol methyl ether	34590-94-8 Potential for cutaneous absorption
United Kingdom - Workplace Exposure Limits (WELs) - STELs	
Dipropylene glycol methyl ether	34590-94-8 150 ppm STEL; 924 mg/m ³ STEL
United Kingdom - Workplace Exposure Limits (WELs) - TWAs	
Dipropylene glycol methyl ether	34590-94-8 50 ppm TWA; 308 mg/m ³ TWA
Exposure controls	Not normally required if good ventilation is maintained.
Personal protective equipment	
Respiratory protection	Not normally required if good ventilation is maintained and exposure guidelines are not exceeded.
Hand protection	Impervious gloves. Confirm with reputable supplier first.
Eye protection	Wear safety glasses with side shields.
Skin and body protection	Avoid contact with the skin. Wear suitable protective clothing.

SAFETY DATA SHEET

EU SDS Example MSDS

Conforms to 91/155/EEC - 2001/58/EC

Environmental exposure controls	Not available
Hygiene measures	Avoid contact with skin. Avoid contact with eyes. Use good industrial hygiene practices in handling this material. Wash hands before breaks and immediately after handling the product.

9. Physical & Chemical Properties

Appearance	Liquid
Auto-ignition temperature	Not available
Boiling point	100 °C (212.00 °F)
Bulk density	Not available
Colour	Pink
Evaporation Rate	1
Flammability limits in air, lower, % by volume	Not available
Flammability Limits in Air, Upper, % by Volume	Not available
Flash point	> 104.44 °C (> 220 °F)
Freezing point	Not available
Melting point	Not available
Octanol/water coefficient	Not available
Odour	Apple spice
Percent volatile	Not available
pH	7
Pour point	Not available
Solubility (H2O)	Not available
Specific gravity	0.7 - 0.8
Vapour density	1
Vapour pressure	Not available
Viscosity	Semi-viscous
VOC (Weight %)	Not available

10. Stability and Reactivity

Conditions to avoid	Do not mix with other chemicals.
Materials to avoid	Oxidizing materials. Acids.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.
Stability	Stable under recommended storage conditions.
Hazardous polymerization	Hazardous polymerisation does not occur.

SAFETY DATA SHEET

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11. Toxicological Information

Acute toxicity

Ingredient Name	Test	Result	Route	Species
Cyclopentasiloxane, decamethyl-	LD50	24134 mg/kg	Oral	Rat
Dipropylene glycol n-propyl ether	LD50	2000 mg/kg	Oral	Rat
	LD50	2000 mg/kg	Dermal	Rabbit
Dipropylene glycol methyl ether	LD50	5400 mg/kg	Oral	Rat
	LD50	10000 mg/kg	Dermal	Rabbit

Corrosivity/Irritation	Not applicable
Sensitisation	Not applicable.
Repeated-dose toxicity	Not applicable
Carcinogenicity	Not applicable
Mutagenicity	Not applicable
Reproductive toxicity	Not applicable
Teratogenicity	Not available

Information in this section is based on individual component information and not based on overall formula testing data.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

Ecotoxicity - Freshwater Fish Species Data

Dipropylene glycol methyl ether 34590-94-8 96 Hr LC50 Pimephales promelas: >10000 mg/L [static]

Ecotoxicity - Water Flea Data

Dipropylene glycol methyl ether 34590-94-8 48 Hr LC50 Daphnia magna: 1919 mg/L

Mobility	Not available
Persistence and degradability	Not available
Bioaccumulative potential	Not available
Other adverse effects	Not available
Environmental effects	Not available
Aquatic toxicity	Not available
Adsorption	Not available
Biodegradation	Not available
Other Information	Not available

Information in this section is based on individual component information and not based on overall formula testing data.

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. This material and its container must be disposed of as hazardous waste. Do not dispose of waste into sewer. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

EU Waste Codes Waste codes should be assigned by the user based on the application for which the product was used. The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

SAFETY DATA SHEET

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14. Transport Information

ADN

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

IATA/ICAO (Air)

Not regulated as dangerous goods.

IMDG (Marine Transport)

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

15. Regulatory Information

Labelling

Symbol(s)



Irritant

R-phrase(s)

R36/38 Irritating to eyes and skin.

S-phrase(s)

S23 Do not breathe vapor.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S60 This material and its container must be disposed of as hazardous waste.

16. Other Information

List of relevant R phrases

R36/38 Irritating to eyes and skin.

Prepared by

Dell Tech Laboratories Ltd. (519) 858-5021

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26-Sept-2008

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
