



MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS # : 31144

DROSERA MS 2

Date of the previous version: 2013-05-02

Revision Date: 2014-05-06

Version 2

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

1.1. Product identifier

Product name	DROSERA MS 2
Number	309
Pure substance/mixture	Mixture

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

Identified uses	Multifunctional oil , machine tools.***
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1.3. Details of the supplier of the safety data sheet

Supplier	TOTAL LUBRIFIANTS 562 Avenue du Parc de L'île 92029 Nanterre Cedex Tél: +33 (0)1 41 35 40 00 Fax: +33 (0)1 41 35 84 71
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For further information, please contact:

Contact Point	HSE
E-mail Address	rm.msds-lubs@total.com

1.4. Emergency telephone number

+33 1 49 00 00 49 (24h/24, 7d/7)

France - ORFILA (INRS) Tél : +33 (0)1 45 42 59 59

In France : - PARIS : Hôpital Fernand Widal 200, rue du Faubourg Saint-Denis 75475 Paris Cédex 10 , Tel : 01.40.05.48.48. -
MARSEILLE : Hopital Salvator, 249 bd Ste Marguerite 13274 Marseille cedex 5, Tel : 04.91.75.25.25. - LYON : Hopital Edouard
Herriot, 5 place d'Arsonvol, 69437 Lyon cedex 3, Tel : 04.72.11.69.11. - NANCY : Hopital central, 29 Av du Mal De Lattre de
Tassigny, 54000 Nancy, Tel : 03.83.32.36.36 ou le SAMU : Tel (15)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

For the full text of the H-Statements mentioned in this Section, see Section 2.2.

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008***
Aspiration toxicity - Category 1*** - (H304)***

DIRECTIVE 67/548/EEC or 1999/45/EC

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



SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

The substance/mixture is classified as dangerous in accordance with Directive(s) 67/548/EEC with amendments and/or 1999/45/EC with amendments

Symbol(s)

Xn - Harmful

Classification

Xn;R65 - R66

2.2. Label elements

Labelled according to REGULATION (EC) No 1272/2008***

Contains Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics.

**Signal Word**

DANGER***

H304 - May be fatal if swallowed and enters airways***

Precautionary Statements

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting***

Supplemental Hazard Statements

EUH066 - Repeated exposure may cause skin dryness or cracking***

2.3. Other hazards

Physical-Chemical Properties Contaminated surfaces will be extremely slippery.

Environmental properties Should not be released into the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

Chemical Name	EC-No	REACH registration No	CAS-No	Weight %	Classification (Dir. 67/548)	Classification (Reg. 1272/2008)
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SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics***	934-954-2* **	01-2119826592-36	^	40-60	Xn;R65	Asp. Tox. 1 (H304)
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics***	926-141-6* **	01-2119456620-43	^	30-50	Xn;R65 R66	Asp. Tox. 1 (H304)
Naphthalene***	202-049-5	-	91-20-3	<0.005	Xn;R22 Carc.Cat.3;R40 N;R50-53	Acute Tox. 4 (H302) Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
1,2,4-Trimethylbenzene***	202-436-9	no data available	95-63-6	<0.005	R10 Xn;R20 Xi;R36/37/38 N;R51-53	Flam. Liq. 3 (H226) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) Aquatic Chronic 2 (H411)
1,2,3-trimethylbenzene***	208-394-8	no data available	526-73-8	<0.005	R10 Xn;R22 Xi;R37 N;R51-53	Flam. Liq. 3 (H226) Acute Tox. 4 (H302) STOT SE 3 (H335) Aquatic Chronic 2 (H411)
1,3,5-Trimethylbenzene***	203-604-4	01-2119463878-19** *	108-67-8	<0.005	R10 Xi;R37 N;R51-53	Flam. Liq. 3 (H226) STOT SE 3 (H335) Aquatic Chronic 2 (H411)
Cumene***	202-704-5	no data available	98-82-8	<0.0005	R10 Xi;R37 N;R51-53 Xn;R65	Flam Liq. 3 (H226) STOT SE 3 (H335) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411)

Additional information

Product with solvent base

For the full text of the R-phrases mentioned in this Section, see Section 16.**For the full text of the H-Statements mentioned in this Section, see Section 16.****4. FIRST AID MEASURES****4.1. Description of first-aid measures****General advice**

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

Skin contactWash skin with soap and water. Wash contaminated clothing before reuse.
High pressure jets may cause skin damage. In this case, the casualty should be sent immediately to hospital.**Inhalation**

In case of exposure to intense concentrations of vapours, fumes or spray, transport the person away from the contaminated zone, keep warm and allow to rest.***

Ingestion

Do not ingest. If swallowed then seek immediate medical assistance. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion. In this case, the casualty should be sent immediately to hospital.***



SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

Protection of First-aiders Use personal protective equipment.4.2. Most important symptoms and effects, both acute and delayed**Eye contact** Contact with eyes may cause irritation, Burning feeling and temporary redness.*****Skin contact** Prolonged or repeated contact may dry skin and cause irritation.*****Inhalation** The inhalation of vapours or aerosols may be irritating for the respiratory tract and for mucous membranes. Vapors inhaled in strong concentration have a narcotic effect on the central nervous system, Nausea, loss of consciousness. Causes asphyxiation in high concentrations. The victim will not realize that he/she is suffocating.*****Ingestion** Harmful: If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions (medical survey during 48 hours). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.4.3. Indication of immediate medical attention and special treatment needed, if necessary**Notes to physician** Treat symptomatically.**5. FIRE-FIGHTING MEASURES**5.1. Extinguishing media**Suitable Extinguishing Media** Carbon dioxide (CO₂). Foam. Dry powder. Water spray or fog.*****Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.5.2. Special hazards arising from the substance or mixture**Special Hazard** Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.5.3. Advice for fire-fighters**Special protective equipment for fire-fighters** Wear self-contained breathing apparatus and protective suit.**Other information** Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.**6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures



SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

General Information

Evacuate non-essential personnel. Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.***

6.2. Environmental precautions

General Information

Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up

Dam up. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Personal Protective Equipment

See Section 8 for more detail.

Waste treatment

See section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

Prevention of fire and explosion

Take precautionary measures against static discharges. Ground/bond containers, tanks and transfer/receiving equipment.

Hygiene measures

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep away from food, drink and animal feedingstuffs. Keep in a bonded area. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture.

Materials to Avoid

Strong acids. Oxidizing agents.***

SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

7.3. Specific end uses

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits oil mist : 10mg/m³, for 15 minutes
oil mist : 5mg/m³, for 8 hours

Chemical Name	European Union
Naphthalene*** 91-20-3	TWA 10 ppm TWA 50 mg/m ³
1,2,4-Trimethylbenzene*** 95-63-6	TWA 20 ppm TWA 100 mg/m ³
1,2,3-trimethylbenzene*** 526-73-8	TWA 20 ppm TWA 100 mg/m ³
1,3,5-Trimethylbenzene*** 108-67-8	TWA 20 ppm TWA 100 mg/m ³
Cumene*** 98-82-8	TWA 20 ppm TWA 100 mg/m ³ STEL 50 ppm STEL 250 mg/m ³ S*

Legend See section 16

DNEL Worker (Industrial/Professional)

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
Naphthalene*** 91-20-3			25 mg/m ³ Inhalation 3.57 mg/kg Dermal	25 mg/m ³ Inhalation
1,2,4-Trimethylbenzene** * 95-63-6	100 mg/m ³ Inhalation	100 mg/m ³ Inhalation	16171 mg/kg bw/day Dermal 100 mg/m ³ Inhalation	100 mg/m ³ Inhalation
1,3,5-Trimethylbenzene** * 108-67-8	100 mg/m ³ Inhalation	100 mg/m ³ Inhalation	16171 mg/kg bw/day Dermal 100 mg/m ³ Inhalation	100 mg/m ³ Inhalation
Cumene*** 98-82-8		250 mg/m ³ Inhalation	100 mg/m ³ Inhalation 15.4 mg/kg Dermal	

DNEL Consumer

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
1,2,4-Trimethylbenzene** * 95-63-6	29.4 mg/m ³ Inhalation	29.4 mg/m ³ Inhalation	9512 mg/kg bw/day Dermal 29.4 mg/m ³ Inhalation 15 mg/kg bw/day Oral	29.4 mg/m ³ Inhalation
1,3,5-Trimethylbenzene** * 108-67-8	29.4 mg/m ³ Inhalation	29.4 mg/m ³ Inhalation	9512 mg/kg bw/day Dermal 29.4 mg/m ³ Inhalation 15 mg/kg bw/day Oral	29.4 mg/m ³ Inhalation



SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

Cumene*** 98-82-8			16.6 mg/m ³ Inhalation 1.2 mg/kg Dermal 5 mg/kg Oral	
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Predicted No Effect Concentration (PNEC)

Chemical Name	Water	Sediment	Soil	Air	STP	Oral
Naphthalene*** 91-20-3	0.0024 mg/l fw 0.0024 mg/l mw 0.020 mg/l or	0.0672 mg/kg dw fw 0.0672 mg/kg dw mw	0.0533 mg/kg dw		2.9 mg/l	
1,2,4-Trimethylbenzene*** 95-63-6	0.12 mg/l fw 0.12 mg/l mw 0.12 mg/l or	13.56 mg/kg dw fw 13.56 mg/kg dw mw	2.34 mg/kg dw		2.41 mg/l	
1,3,5-Trimethylbenzene*** 108-67-8	0.101 mg/l fw 0.101 mg/l mw 0.101 mg/l or	7.86 mg/kg fw dw 7.86 mg/kg mw dw	1.34 mg/kg dw		2.02 mg/l	
Cumene*** 98-82-8	0.035 mg/l fw 0.0035 mg/l mw 0.012 mg/l or	3.22 mg/kg dw fw 0.322 mg/kg dw mw	0.624 mg/kg dw		200 mg/l	

8.2. Exposure controls**Occupational Exposure Controls****Engineering Measures**

Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Personal Protective Equipment**General Information**

If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respirator with combination filter for vapour/particulate (EN 14387). The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

Eye Protection

If splashes are likely to occur, wear: Safety glasses with side-shields.

Skin and body protection

Wear suitable protective clothing. Protective shoes or boots. Long sleeved clothing.

Hand Protection

Impervious gloves, aliphatic hydrocarbon resistant: Nitrile rubber, Fluorinated rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves.



SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

Environmental exposure controls**General Information** The product should not be allowed to enter drains, water courses or the soil.**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Color		colorless To light yellow	
Physical State @20°C		liquid	
Odor		No information available	
Property	Values	Remarks	Method
pH		Not applicable	
Boiling point/boiling range		Not applicable	
Flash point	> 80 °C > 176 °F		ISO 2719 ISO 2719
Evaporation rate		No information available	
Flammability Limits in Air		No information available	
Vapor Pressure		No information available	
Vapor density		No information available	
Density	~ 820 kg/m ³	@ 15 °C	
Water solubility		Insoluble***	
Solubility in other solvents		No information available	
logPow		No information available	
Autoignition temperature		No information available	
Viscosity, kinematic	2 mm ² /s	@ 40 °C	ISO 3104
Explosive properties	Not explosive		
Oxidizing Properties	Not applicable		
Possibility of hazardous reactions	Not applicable		

9.2. Other information**10. STABILITY AND REACTIVITY****10.1. Reactivity****10.2. Chemical stability****Stability** Stable under recommended storage conditions.**10.3. Possibility of hazardous reactions****Hazardous Reactions** None under normal processing.**10.4. Conditions to Avoid****Conditions to Avoid** Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.

SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

10.5. Incompatible Materials

Materials to Avoid Strong acids. Oxidizing agents.***

10.6. Hazardous Decomposition Products

Hazardous Decomposition Products None under normal use.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity Local effects Product Information

- Skin contact** . Prolonged or repeated contact may dry skin and cause irritation.***
- Eye contact** . Contact with eyes may cause irritation, Burning feeling and temporary redness.***
- Inhalation** . The inhalation of vapours or aerosols may be irritating for the respiratory tract and for mucous membranes. Vapors inhaled in strong concentration have a narcotic effect on the central nervous system, Nausea, loss of consciousness. Causes asphyxiation in high concentrations. The victim will not realize that he/she is suffocating.***
- Ingestion** . Harmful: If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions (medical survey during 48 hours). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics***	LD50 > 5000 mg/kg bw (rat - OECD 401)	LD50 (24h) > 3160mg/kg bw (rabbit - OECD 402)	LC50 (4h) > 5266 mg/m ³ (aerosol) (rat - OECD 403)
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics***	LD50 > 5000 mg/kg bw (rat - OECD 401)	LD50 (24h) > 5000 mg/kg bw (rabbit - OECD 402)	LC50 (8h) > 5000 mg/m ³ (vapour) (rat - OECD 403)
Naphthalene***	LD50 490 mg/kg (Rat)	LD50 2201 mg/kg (Rat)	LD50 (8h) > 500 mg/m ³ (Rat)
1,2,4-Trimethylbenzene***	LD50 > 2000 mg/kg (Rat)	LD50 2201 mg/kg (Rabbit)	LC50 (4h) 10.2 mg/l (Rat)
1,3,5-Trimethylbenzene***	= 5000 mg/kg (Rat)		= 24 g/m ³ (Rat) 4 h
Cumene***	LD50 12750 mg/kg (Mouse)	LD50 10578 mg/kg (Rabbit)	LD50 (4h) 40 mg/l (Rat)

Sensitization

Sensitization Not classified as a sensitizer.

Specific effects

Carcinogenicity This product is not classified carcinogenic.

Chemical Name	European Union
Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics*** ^	***



SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

Naphthalene*** 91-20-3	Carc. 2 (H351)
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Mutagenicity This product is not classified as mutagenic.
Reproductive toxicity This product does not present any known or suspected reproductive hazards.

Repeated Dose Toxicity

Subchronic toxicity No information available.

Target Organ Effects (STOT)

Target Organ Effects (STOT) No information available.

Other information**12. ECOLOGICAL INFORMATION****12.1. Toxicity**

Not classified.

Acute aquatic toxicity - Product Information

No information available.

Acute aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics*** ^	ErL50 (72h) > 10000 mg/l (Skeletonema costatum - ISO 10253)	LL50 (48h) > 3193 mg/l (Acartia tonsa - ISO 14669)	LL50 (96h) > 1028 mg/l (Scophthalmus maximus - OECD 203)	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics*** ^	ErL50 (72h) > 1000 mg/l (Pseudokirchneriella subcapitata - OECD 201) EbL50 (72h) > 1000 mg/l (Pseudokirchneriella subcapitata - OECD 201) NOELR (72h) = 1000 mg/l (Pseudokirchneriella subcapitata - biomass - OECD 201) NOELR (72h) = 1000 mg/l (Pseudokirchneriella subcapitata - growth rate - OECD 201)	EL50 (48h) > 1000 mg/l (Daphnia magna - OECD 202)	LL50 (96h) > 1000 mg/l (Oncorhynchus mykiss - OECD 203)	***



SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

Naphthalene*** 91-20-3		LC50 (48h) = 2.16 mg/L Daphnia magna EC50 (48h) = 1.96 mg/L Daphnia magna Flow through EC50 (48h) 1.09 - 3.4 mg/L Daphnia magna Static	LC50 (96h) = 1.6 mg/L Oncorhynchus mykiss (flow-through) LC50 (96h) 5.74-6.44 mg/L Pimephales promelas (flow-through) LC50 (96h) 0.91-2.82 mg/L Oncorhynchus mykiss (static) LC50 (96h) = 1.99 mg/L Pimephales promelas (static) LC50 (96h) = 31.0265 mg/L Lepomis macrochirus (static)	EC50 = 0.93 mg/L 30 min EC50 > 20 mg/L 18 h
1,2,4-Trimethylbenzene*** 95-63-6		EC50 (48h) 1.6-8.3 mg/l Daphnia magna static (OECD 202)	LC50 (96h) 7.19-8.28 mg/L Pimephales promelas (flow-through)	
1,3,5-Trimethylbenzene*** 108-67-8		LC50(48h) = 6 mg/l Daphnia magna (OECD 202)	LC50 (96h) = 3.48 mg/L Pimephales promelas ()	
Cumene*** 98-82-8	EC50 (72h) = 2.6 mg/L Pseudokirchneriella subcapitata	EC50 (48h) = 0.6 mg/L Daphnia magna EC50 (48h) 7.9 - 14.1 mg/L Daphnia magna Static	LC50 (96h) 6.04-6.61 mg/L Pimephales promelas (flow-through) LC50 (96h) = 4.8 mg/L Oncorhynchus mykiss (flow-through) LC50 (96h) = 2.7 mg/L Oncorhynchus mykiss (semi-static) LC50 (96h) = 5.1 mg/L Poecilia reticulata (semi-static)	EC50 = 0.89 mg/L 5 min EC50 = 1.10 mg/L 15 min EC50 = 1.48 mg/L 30 min EC50 = 172 mg/L 24 h

Chronic aquatic toxicity - Product Information

No information available.

Chronic aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics*** ^		NOELR (21d) > 1000 mg/l (Daphnia magna - QSAR Petrotox)	NOELR (28d) > 1000 mg/l (Oncorhynchus mykiss - QSAR Petrotox)	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics*** ^		NOELR (21d) = 1,22 mg/l (Daphnia magna - QSAR Petrotox)	NOELR (28d) = 0,17 mg/l (Oncorhynchus mykiss - QSAR Petrotox)	

Effects on terrestrial organisms

No information available.

12.2. Persistence and degradability**General Information**

No information available.

12.3. Bioaccumulative potential



SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

Product Information No information available.**logPow** No information available**Component Information**

Chemical Name	log Pow
Naphthalene*** - 91-20-3	3.3***
1,2,4-Trimethylbenzene*** - 95-63-6	3.63***
Cumene*** - 98-82-8	3.55***

12.4. Mobility in soil**Soil** Given its physical and chemical characteristics, the product is generally mobile in the ground.**Water** The product is insoluble and floats on water.12.5. Results of PBT and vPvB assessment**PBT and vPvB assessment** No information available.12.6. Other adverse effects**General Information** No information available.**13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**Waste from Residues / Unused Products** Should not be released into the environment. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.**EWC Waste Disposal No.** The following Waste Codes are only suggestions: 13 02 05, 12 01 07, 13 01 10, According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.*****14. TRANSPORT INFORMATION**ADR/RID Not regulatedIMDG/IMO Not regulatedICAO/IATA Not regulatedADN



SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

UN/ID No	UN9003
Proper shipping name	Substances with a flash-point above 60 degrees C and not more than 100 degrees C
Proper shipping name	SUBSTANCES WITH A FLASH POINT ABOVE 60°C AND NOT MORE THAN 100°C
Hazard class	9
Description	UN9003, SUBSTANCES WITH A FLASH-POINT ABOVE 60 DEGREES C AND NOT MORE THAN 100 DEGREES C, 9

15. REGULATORY INFORMATION

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

European Union

International Inventories

EINECS/ELINCS	-
TSCA	-
DSL	-
ENCS	-
IECSC	-
KECL	-
PICCS	-
AICS	-
NZIoC	-

Legend**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**NZIoC** - New Zealand Inventory of Chemicals

Further information

15.2. Chemical Safety Assessment**Chemical Safety Assessment** No information available

16. OTHER INFORMATION



SDS # : 31144

DROSERA MS 2

Revision Date: 2014-05-06

Version 2

Full text of R-phrases referred to under sections 2 and 3

R65 - Harmful: may cause lung damage if swallowed
 R66 - Repeated exposure may cause skin dryness or cracking
 R40 - Limited evidence of a carcinogenic effect
 R22 - Harmful if swallowed
 R10 - Flammable
 R37 - Irritating to respiratory system
 R20 - Harmful by inhalation
 R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 R36/37/38 - Irritating to eyes, respiratory system and skin

Full text of H-Statements referred to under sections 2 and 3

H226 - Flammable liquid and vapor
 H335 - May cause respiratory irritation
 H411 - Toxic to aquatic life with long lasting effects
 H302 - Harmful if swallowed
 H351 - Suspected of causing cancer if inhaled
 H400 - Very toxic to aquatic life
 H410 - Very toxic to aquatic life with long lasting effects
 H332 - Harmful if inhaled
 H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H304 - May be fatal if swallowed and enters airways
 EUH066 - Repeated exposure may cause skin dryness or cracking***

Abbreviations, acronyms

Legend Section 8

+	Sensitizer	*	Skin designation
**	Hazard Designation	C:	Carcinogen
M:	Mutagen	R:	Toxic to reproduction

Revision Date: 2014-05-06

Revision Note: *** Indicates updated section.

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

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

End of the safety data sheet