

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixtures
Trade name : Parafoam Remover

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Main use category : Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

DL CHEMICALS
Roterijstraat 201-203
B-8793 Waregem - Belgium
T + 32 56 62 70 51 - F + 32 56 60 95 68
info@dl-chem.com - www.dl-chem.com

1.4. Emergency telephone number

Emergency number : + 32 70 245 245

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 2 H225

Serious eye damage/eye irritation, Category 2 H319

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02



GHS07

CLP Signal word : Danger

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour
H319 - Causes serious eye irritation

Precautionary statements (CLP) : P210 - Keep away from heat. - No smoking
P280 - Wear eye protection
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 - If eye irritation persists: Get medical advice/attention
P370+P378 - In case of fire: Use foam, Water spray for extinction

EUH-statements : EUH210 - Safety data sheet available on request

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,3-dioxolane	(CAS No) 646-06-0 (EC No) 211-463-5 (EC Index No) 605-017-00-2 (REACH-no) 01-2119490744-29	>= 90	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Aqua	(CAS No) 7732-18-5 (EC No) 231-791-2	<= 10	Not classified

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move to fresh air. If experiencing respiratory symptoms: Call a poison center or a doctor.

First-aid measures after skin contact : Wash skin with mild soap and water.

First-aid measures after eye contact : Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : If a large quantity is swallowed, immediately administer lukewarm water (1/2 litre) only if victim is completely conscious/alert and induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water fog. Alcohol resistant foam.

Unsuitable extinguishing media : Strong water jet. Dry powder.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable.

5.3. Advice for firefighters

Precautionary measures fire : No naked flames, sparks, and do not smoke.

Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection. Cool down the containers exposed to heat with a water spray.

Protection during firefighting : Wear a self contained breathing apparatus.

Other information : Exercise caution when fighting any chemical fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : When using do not smoke.

6.1.1. For non-emergency personnel

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow into drains or water courses. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

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6.3. Methods and material for containment and cleaning up

- For containment : Use suitable disposal containers.
- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : No naked flames, sparks, and do not smoke.
- Precautions for safe handling : Take precautionary measures against static discharge. Ground/bond container and receiving equipment.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Provide local exhaust or general room ventilation.
- Storage conditions : Keep container closed when not in use.
- Storage temperature : -30 - 40 °C
- Heat and ignition sources : Keep away from heat.
- Information on mixed storage : Strong acids, strong oxidants.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Time of penetration is to be checked with the glove producer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Butyl rubber	5 (> 240 minutes)	0.5		

Eye protection:

Type	Use	Characteristics	Standard
Safety glasses	Droplet	With side shields	

Skin and body protection:

Type	Standard
apron	

Respiratory protection:

Device	Filter type	Condition	Standard
Gas filters	Type A - High-boiling (>65 °C) organic compounds	If conc. in air > 1 vol %, If conc. in air > exposure limit, Long term exposure	



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: clear
Molecular mass	: 74,08 g/mol
Colour	: Colourless
Odour	: characteristic
Relative evaporation rate (butylacetate=1)	: 0,29
Freezing point	: -95 °C
Boiling point	: 76 °C (OECD 103 method)
Flash point	: < 2,5 °C (ASTM92)
Auto-ignition temperature	: 250 °C DIN 51794
Vapour pressure	: 101 hPa
Relative density	: 1,06
Density	: 1,06 g/m ³ at 20 °C
Solubility	: Water: 500 g/l at 20 °C
Viscosity, dynamic	: < 10 mPa.s at 40 °C

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Strong acids and oxidants.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

May form flammable vapour-air mixture.

10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition. Do not overheat the product.

10.5. Incompatible materials

Strong acids and oxidants.

10.6. Hazardous decomposition products

Stable under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

1,3-dioxolane (646-06-0)	
LD50 oral rat	3000 mg/kg
LD50 dermal rat	9040 mg/kg
LC50 inhalation rat (mg/l)	20,7 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

1,3-dioxolane (646-06-0)	
NOAEL (chronic, oral, animal/male, 2 years)	75 mg/kg bodyweight

Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

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Aspiration hazard : Not classified

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Viscosity, kinematic	< 9433962 mm ² /s

SECTION 12: Ecological information

12.1. Toxicity

1,3-dioxolane (646-06-0)	
LC50 fish 1	95,4 mg/l
EC50 Daphnia 1	772 mg/l
ErC50 (algae)	877 mg/l
NOEC chronic fish	546,3 mg/l
NOEC chronic crustacea	197,4 mg/l
NOEC chronic algae	877 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

1,3-dioxolane (646-06-0)	
Log Pow	-0,37 at 20°C

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available


SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR

ADR	
14.1. UN number	1166
14.2. UN proper shipping name	DIOXOLAAN UN 1166 DIOXOLAAN (1,3-dioxolane(646-06-0)), 3, II, (D/E)
14.3. Transport hazard class(es)	3 
14.4. Packing group	II
14.5. Environmental hazards	Dangerous for the environment : No No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : F1

Limited quantities (ADR) : 1I

Excepted quantities (ADR) : E2

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Vehicle for tank carriage	:	FL
Transport category (ADR)	:	2
Hazard identification number (Kemler No.)	:	33
Orange plates	:	<div><div>33</div><div>1166</div></div>
Tunnel restriction code (ADR)	:	D/E

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

- Contains no REACH substances with Annex XVII restrictions
- Contains no substance on the REACH candidate list
- Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
EUH210	Safety data sheet available on request

MSDS Reach Annex II DL-Chem

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product