

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Parafix

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, H319

Category 2

Specific target organ toxicity — Single H336
exposure, Category 3, Narcosis

Full text of 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

Hazardous ingredients : ethyl acetate

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof electrical, lighting, ventilating equipment.
P261 - Avoid breathing vapours.
P264 - Wash hands thoroughly after handling.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

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2.3. Other hazards

No additional information available

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]
ethyl acetate	(CAS-No.) 141-78-6 (EC-No.) 205-500-4 (EC Index-No.) 607-022-00-5 (REACH-no) 01-2119475103-46	25 - 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
vinyl chloride; chloroethylene substance with a Community workplace exposure limit (Note D)(Note U)	(CAS-No.) 75-01-4 (EC-No.) 200-831-0 (EC Index-No.) 602-023-00-7 (REACH-no) 01-2119457018-39	< 0,1	Press. Gas Flam. Gas 1, H220 Carc. 1A, H350

Note D : Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

Note U (Table 3): When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

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 : Remove person to fresh air and keep comfortable for breathing. Respiratory problems: consult a doctor/medical service.
- First-aid measures after skin contact : Wash skin with mild soap and water. Seek medical advice (show the label where possible).
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

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

- Symptoms/effects after inhalation : Cough. Sore throat.
- Symptoms/effects after skin contact : Redness, pain.
- Symptoms/effects after eye contact : Redness, pain. Blurred vision.
- Symptoms/effects after ingestion : Abdominal pain, nausea.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical. Carbon dioxide. Foam. AFFF foam.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : May form explosive peroxides.

5.3. Advice for firefighters

- Precautionary measures fire : Evacuate unnecessary personnel. Exercise caution when fighting any chemical fire. Do not breathe fumes from fires or vapours from decomposition.
- Firefighting instructions : Cool down the containers exposed to heat with a water spray.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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Other information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Equip cleanup crew with proper protection. Respiratory protection equipment may be necessary.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : No open flames. No smoking. Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixtures.

Hygiene measures : Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Use grounded electrical/mechanical equipment.

Storage conditions : Keep in fireproof place. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethyl acetate (141-78-6)		
EU	Local name	Ethyl acetate
EU	IOELV TWA (mg/m ³)	734 mg/m ³
EU	IOELV TWA (ppm)	200 ppm
EU	IOELV STEL (mg/m ³)	1468 mg/m ³
EU	IOELV STEL (ppm)	400 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164
Ireland	OEL (8 hours ref) (ppm)	400 ppm
Ireland	OEL (15 min ref) (ppm)	200 ppm
silica (7631-86-9/112945-52-5)		
Ireland	OEL (15 min ref) (mg/m ³)	6 mg/m ³ inhalable dust 2,4 mg/m ³ respirable dust
vinyl chloride; chloroethylene (75-01-4)		
EU	Local name	Vinyl chloride monomer
EU	IOELV TWA (mg/m ³)	2,6 mg/m ³
EU	IOELV TWA (ppm)	1 ppm
EU	Notes	SCOEL Recommendations (2002)
EU	Regulatory reference	DIRECTIVE (EU) 2019/130 (amending Directive 2004/37/EC)

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vinyl chloride; chloroethylene (75-01-4)

Ireland	OEL (15 min ref) (mg/m ³)	7,77 mg/m ³
Ireland	OEL (15 min ref) (ppm)	3 ppm

1.

8.2. Exposure controls

Appropriate engineering controls:

Local exhaust and general ventilation must be adequate to meet exposure standards. Ensure good ventilation of the work station.

Personal protective equipment:

Gloves. Safety glasses.

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	Nitrile rubber (NBR)	6 (> 480 minutes)	> 0,1		EN ISO 374

Eye protection:

Type	Use	Characteristics	Standard
Safety glasses		With side shields	EN 166

Respiratory protection:

Where excessive vapour may result, wear approved mask



Consumer exposure controls:

Avoid contact with skin and eyes. Wash hands and other exposed areas with soap and water before leaving work.

Other information:

Do not eat, drink or smoke during use. Take off immediately all contaminated clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Paste.
Colour	: According to product specification.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: -4 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available

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Relative density	: No data available
Solubility	: Water: practically insoluble
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

None under normal use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

AL0070002	
LD50 oral rat	2000 mg/kg OECD 423
ethyl acetate (141-78-6)	
LD50 oral rat	> 5000 mg/kg
LD50 oral	4935 rabbit
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 29,3 mg/l/4h
LC50 inhalation rat (Dust/Mist - mg/l/4h)	1600 mg/l/4h
silica (7631-86-9/112945-52-5)	
LD50 oral rat	22500 mg/kg
LD50 oral	15000 mg/kg mouse
LD50 dermal rabbit	5000 mg/kg No irritant effect
LC50 inhalation rat (mg/l)	0,139 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
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.

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STOT-repeated exposure : Not classified

ethyl acetate (141-78-6)	
NOAEL (oral, rat, 90 days)	900 mg/kg bodyweight/day

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

AL0070002	
LC50 fish 1	96h 680 mg/l Leuciscus idus (golden orfe)

ethyl acetate (141-78-6)	
LC50 fish 1	350 mg/l Leuciscus idus (golden orfe)
LC50 fish 2	431 mg/l Brachydanio rerio (zebra-fish)
EC50 Daphnia 1	717 mg/l daphnia
EC50 72h algae (1)	17,9 mg/l
NOEC chronic crustacea	2,4 mg/l (OECD 201 method)
NOEC chronic algae	> 100 mg/l Desmodesmus subspicatus

silica (7631-86-9/112945-52-5)	
LC50 fish 1	> 10000 mg/l Brachydanio rerio (zebra-fish)
EC50 Daphnia 1	> 10000 mg/l Daphnia magna (Big water flea)
EC50 72h algae (1)	440 mg/l

12.2. Persistence and degradability

AL0070002	
Persistence and degradability	Poorly watersoluble, inorganic product. Can be mechanically precipitated to a large extent in biological sewage plants.

ethyl acetate (141-78-6)	
Persistence and degradability	Readily biodegradable.
Biodegradation	99,9 % (OECD 303 method)

12.3. Bioaccumulative potential

AL0070002	
Log Kow	No data available
Bioaccumulative potential	product has not been tested.

ethyl acetate (141-78-6)	
Log Pow	0,73
Bioaccumulative potential	Bioaccumulation unlikely.

12.4. Mobility in soil

AL0070002	
Ecology - soil	No information available.

ethyl acetate (141-78-6)	
Ecology - soil	Small adsorption.

12.5. Results of PBT and vPvB assessment

Component	
ethyl acetate (141-78-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Empty the packaging completely prior to disposal. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Reprocess or burn in an approved incinerator.

SECTION 14: Transport information

In accordance with ADR

ADR

14.1. UN number

1325

14.2. UN proper shipping name

FLAMMABLE SOLID, ORGANIC, N.O.S.

UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S., 4.1, II, (E)

14.3. Transport hazard class(es)

4.1



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
Special provisions (ADR) : 274
Limited quantities (ADR) : 1kg
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P002, IBC08
Special packing provisions (ADR) : B3
Mixed packing provisions (ADR) : MP10
Portable tank and bulk container instructions (ADR) : T3
Portable tank and bulk container special provisions (ADR) : TP33
Tank code (ADR) : SGAN
Vehicle for tank carriage : AT
Transport category (ADR) : 2
Special provisions for carriage - Packages (ADR) : V11
Hazard identification number (Kemler No.) : 40
Orange plates :



Tunnel restriction code (ADR) : E

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

Not applicable

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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

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Carc. 1A	Carcinogenicity, Category 1A
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas	Gases under pressure
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.