

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

Product form : Mixtures
Trade name : Paracol PVC/PVCpot + applicator

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

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

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

Hazardous ingredients : butanone

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/bond container and receiving equipment
P241 - Use explosion-proof electrical/ventilating/lighting equipment
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P264 - Wash hands, forearms and face thoroughly after handling

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

2.3. Other hazards

Other hazards not contributing to the classification : Vapours may form explosive mixture with air.

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

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according to Regulation (EU) 2015/830

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]
butanone, ethyl methyl ketone	(CAS-No.) 78-93-3 (EC-No.) 201-159-0 (EC Index-No.) 606-002-00-3 (REACH-no) 01-2119457290-43	60 - 78	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

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 : Assure fresh air breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Wash immediately with plenty of water. Get medical advice if skin irritation persists.
- First-aid measures after eye contact : If eye irritation persists, consult a specialist. Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.
- First-aid measures after ingestion : Do not induce vomiting. Rinse mouth out with water. Give water to drink. If swallowed, seek medical advice immediately and show this container or label.

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

- Symptoms/effects after inhalation : Headache. Nausea. Vomiting. Shortness of breath. Cough. Loss of consciousness. Vapours may cause drowsiness and dizziness. Dizziness.
- Symptoms/effects after skin contact : Prolonged or repeated contact may cause skin to become dry or cracked. Red skin. Absorbed through the skin.
- Symptoms/effects after eye contact : Redness of the eye tissue. Pain.
- 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: Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry chemical. Foam. Water spray. Sand/earth.
- Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable.
- Explosion hazard : May form flammable/explosive vapour-air mixture.
- Hazardous decomposition products in case of fire : May release flammable gases. Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

- Precautionary measures fire : Stop leak if safe to do so. Fight fire remotely due to the risk of explosion. Evacuate unnecessary personnel.
- Firefighting instructions : Eliminate all ignition sources if safe to do so. Cool down the containers exposed to heat with a water spray. Exercise caution when fighting any chemical fire. Do not allow run-off from fire-fighting to enter drains or water courses.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.
- Other information : Cool down the containers exposed to heat with a water spray.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : In order to rule out potential electrostatic discharge production, the system must be adequately grounded. Do not use compressed air to either agitate or transfer the contents of storage containers (tanks) / shipping drums containing this material. No naked flames. Keep upwind. Do not inhale vapour. The vapours are denser than air and may travel along the ground. Distance ignition possible. Ensure adequate air ventilation.

6.1.1. For non-emergency personnel

Protective equipment : Use protective clothing. See Heading 8.

Emergency procedures : Avoid contact with skin and eyes. Avoid contact with skin, eyes and clothing. Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required. Wear suitable protective clothing and gloves. Wear a self contained breathing apparatus.

Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

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

For containment : Collect spillage. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Stop leak if safe to do so. Contain leaking substance, pump over in suitable containers.

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Residue may be washed down with water.

Other information : Dispose in a safe manner in accordance with local/national regulations. Notify authorities if product enters sewers or public waters.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of contaminated materials refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Hazardous waste due to potential risk of explosion. Ventilation, local exhaust, or breathing protection. In use, may form flammable vapour-air mixture. Store away from direct sunlight or other heat sources. Ensure adequate ventilation.

Precautions for safe handling : Eliminate all ignition sources if safe to do so. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Avoid contact with skin and eyes. Do not inhale vapour. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. Avoid contact with skin, eyes and clothing. Prevent build-up of electrostatic charges (e.g. by grounding). Provide good ventilation in process area to prevent formation of vapour. No naked flames, sparks, and do not smoke.

Handling temperature : 8 - 30 °C

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wear suitable protective clothing, gloves and eye or face protection.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation. Use only non-sparking tools. Provide adequate ventilation.

Storage conditions : Keep container tightly closed. Keep only in original container. Store in a dry place. Protect from sunlight. Store in a well-ventilated place. Keep away from sources of ignition - No smoking.

Incompatible materials : Some plastics.

Maximum storage period : 6 months

Storage temperature : 5 - 30 °C

Storage area : Keep away from sources of ignition - No smoking. Protect from heat and direct sunlight.

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Special rules on packaging : Meet the legal requirements.
Packaging materials : Steel. Aluminium.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

butanone, ethyl methyl ketone (78-93-3)		
EU	Local name	Butanone
EU	IOELV TWA (mg/m ³)	600 mg/m ³
EU	IOELV TWA (ppm)	200 ppm
EU	IOELV STEL (mg/m ³)	900 mg/m ³
EU	IOELV STEL (ppm)	300 ppm
United Kingdom	WEL TWA (mg/m ³)	600 mg/m ³
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m ³)	899 mg/m ³
United Kingdom	WEL STEL (ppm)	300 ppm

8.2. Exposure controls

Appropriate engineering controls:

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
Reusable gloves	Butyl rubber	6 (> 480 minutes)	0.7		

Eye protection:

Eye protection should only be necessary where liquid could be splashed or sprayed

Type	Use	Characteristics	Standard
Safety glasses		With side shields	EN 166

Skin and body protection:

Remove contaminated clothes



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid
Colour : Colourless
Odour : ketones
Boiling point : 80 °C
Flash point : < 0 °C
Auto-ignition temperature : 404 °C
Relative density : ca. 0,9
Viscosity, dynamic : 650 - 850 mPa.s Spindel 4 20 t/min at 20 °C
Explosive properties : Explosian class IIa, T3. Product is not explosive. Vapour mixes readily with air, forming explosive mixtures.

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Explosive limits : 1,8 - 11,5 vol %

9.2. Other information

VOC content : 71 - 75 %
Other properties : Volatile components :

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with : acid. Peroxides. Strong oxidizing agents.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Paracol PVC/PVCpot + applicator	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l
butanone, ethyl methyl ketone (78-93-3)	
LD50 oral rat	2737 mg/kg (OECD 423 method)
LD50 oral	3300 mg/kg
LD50 dermal rat	> 5000 mg/kg (OECD 402 method)
LD50 dermal rabbit	6480 mg/kg
LC50 inhalation rat (mg/l)	8h 23500 mg/m ³
LC50 inhalation rat (ppm)	11300 ppm/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.
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Prevent soil and water pollution.

Paracol PVC/PVCpot + applicator	
LC50 fish 1	> 100 mg/l
butanone, ethyl methyl ketone (78-93-3)	
LC50 fish 1	3220 mg/l Pimephales promelas (fathead minnow)
LC50 fish 2	1690 mg/l Lepomis macrochirus (Bluegill)
LC50 other aquatic organisms 1	8890 mg/l Daphnia magna (Big water flea)
EC50 Daphnia 1	308 mg/l Daphnia magna (Big water flea)
EC50 other aquatic organisms 2	<1h 0,333 mg/l Photobacterium Phosphoreum

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EC50 72h algae (1)	1972 mg/l (OECD 201 method)
ErC50 (algae)	96h 500 mg/l Skeletonema costatum
TLM fish 1	<= 5600 mg/l Gambusia affinis (Mosquito fish)
TLM fish 2	96h 1690 mg/l Lepomis macrochirus (Bluegill)
TLM other aquatic organisms 2	96h > 1000 mg/l
Threshold limit other aquatic organisms 1	96h 3200 mg/l Gambusia affinis (Mosquito fish)
Threshold limit other aquatic organisms 2	16h 1150 mg/l Pseudomonas putida
Threshold limit algae 1	168h 110 mg/l Microcystis Aeruginosa
Threshold limit algae 2	192h 4300 mg/l

12.2. Persistence and degradability

butanone, ethyl methyl ketone (78-93-3)	
Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	1,92 g O /g substance
Chemical oxygen demand (COD)	2,31 g O /g substance
ThOD	2,44 g O /g substance
BOD (% of ThOD)	79 % ThOD

12.3. Bioaccumulative potential

butanone, ethyl methyl ketone (78-93-3)	
Log Pow	0,26 - 0,69
Bioaccumulative potential	Not determined.

12.4. Mobility in soil

butanone, ethyl methyl ketone (78-93-3)	
Surface tension	0,024 N/m at 20 °C
Ecology - soil	Biodegradability in soil: no data available. Literature reports not toxic to flora.

12.5. Results of PBT and vPvB assessment

Paracol PVC/PVCpot + applicator	
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


SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
 Product/Packaging disposal recommendations : Dispose of this material and its container at hazardous or special waste collection point. Remove to an authorized waste treatment plant.

SECTION 14: Transport information

In accordance with ADR

ADR	
14.1. UN number	1133
14.2. UN proper shipping name	ADHESIVES
	UN 1133 ADHESIVES, 3, II, (D/E)
14.3. Transport hazard class(es)	3
	
14.4. Packing group	II

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ADR

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) : 640D
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001, IBC02, R001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1, TP8
Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 2
Special provisions for carriage - Operation (ADR) : S2, S20
Hazard identification number (Kemler No.) : 33
Orange plates :



Tunnel restriction code (ADR) : D/E
EAC code : •3YE

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

VOC content : 71 - 75 %

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out

butanone, ethyl methyl ketone

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SECTION 16: Other information

Data sources : The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty.

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
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