

Bloem Multicleaner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Revision date: 1/20/2026 Supersedes version of: 5/8/2021 Version: 6.0



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

1.1. Product identifier

Product form : Mixture
Trade name : Bloem Multicleaner
Vaporizer : Aerosol

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

Relevant identified uses

Intended for general public
Main use category : Professional use, Consumer use

1.3. Details of the supplier of the safety data sheet

Bloem Sealants BV
Westvlietweg 69
P.O. Box 24058
NL 2495 Den Haag
The Netherlands
T +31 (0)70 329 66 01
info@bloemsealants.com, www.bloemsealants.com

1.4. Emergency telephone number

Emergency number : +31 (0)70 329 66 01
Only available during office hours.

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol, Category 1 H222;H229
Skin corrosion/irritation, Category 2 H315
Specific target organ toxicity – Single exposure, Category 3, H336
Narcosis
Hazardous to the aquatic environment – Chronic Hazard, H411
Category 2
Full text of H- and EUH-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) :



CLP Signal word : Danger

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Contains	: Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane
Hazard statements (CLP)	: Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing spray, mist. Avoid release to the environment. Collect spillage. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
Child-resistant fastening	: Not applicable
Tactile warning	: Not applicable

2.3. Other hazards

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

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	cyclohexane (110-82-7)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	cyclohexane (110-82-7)

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane substance with a Community workplace exposure limit	CAS-No.: 64742-49-0 EC-No.: 921-024-6 REACH-no: 01-2119475514-35	≥ 50	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
cyclohexane substance with a Community workplace exposure limit	CAS-No.: 110-82-7 EC-No.: 203-806-2 EC Index-No.: 601-017-00-1 REACH-no: 01-2119463273-41	$\geq 10 - < 25$	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
n-hexane substance with a Community workplace exposure limit	CAS-No.: 110-54-3 EC-No.: 203-777-6 EC Index-No.: 601-037-00-0 REACH-no: 01-2119480412-44	≥ 2.5 – < 10	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361f STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Product subject to CLP Annex I, item 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
First-aid measures after inhalation	: In case of accident by inhalation : remove casualty to fresh air and keep at rest. If unconscious, place in the recovery position and seek medical advice. Provide oxygen and/or ventilation assistance, if needed.
First-aid measures after skin contact	: Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap.
First-aid measures after eye contact	: Flush with lukewarm water for 15 minutes.
First-aid measures after ingestion	: Rinse mouth out with water. Seek medical advice (show the label where possible). Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

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

If you feel unwell, seek medical advice (show the label where possible). If symptoms persist call a doctor.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water fog. Carbon dioxide. Foam. BC-powder. AFFF foam. ABC-powder.
Unsuitable extinguishing media	: Strong water jet.

5.2. Special hazards arising from the substance or mixture

Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Hazardous decomposition products in case of fire	: Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

Precautionary measures fire	: Do not breathe fumes from fires or vapours from decomposition. Evacuate unnecessary personnel.
Firefighting instructions	: Cool down the containers exposed to heat with a water spray.
Protection during firefighting	: Wear a self contained breathing apparatus.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Eliminate all ignition sources if safe to do so. Ventilate area. Mixture containing mainly : Organic solvents. Avoid contact with skin and eyes. Do not breathe vapours.

For emergency responders

Protective equipment : Wear protective clothing.

6.2. Environmental precautions

Do not allow into drains or water courses. Notify authorities if liquid enters sewers or public waters. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product. Ensure that there is a suitable ventilation system. Do not handle in a confined space.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from sources of ignition - No smoking. Store in dry, well-ventilated area. Keep out of frost. Keep out of reach of children.

Storage temperature : 0 – 50 °C

Heat and ignition sources : Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Store away from direct sunlight or other heat sources.

Storage area : Floors should be impervious, resistant to liquids and easy to clean.

Packaging materials : Product must only be kept in the original packaging.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

n-hexane (110-54-3)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	n-Hexane
IOEL TWA	72 mg/m ³
	20 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC

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n-hexane (110-54-3)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	72 mg/m ³
	20 ppm
cyclohexane (110-82-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Cyclohexane
IOEL TWA	700 mg/m ³
	200 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	350 mg/m ³
	100 ppm
WEL STEL (OEL STEL)	1050 mg/m ³
	300 ppm
Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane (64742-49-0)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	1000 mg/m ³
	249 ppm

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Avoid contact with eyes. Do not spray into eyes

Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

Skin protection

Skin and body protection:

Wear protective clothing. Avoid contact with skin

Skin and body protection	
Type	Standard
Chemically resistant protective gloves	EN 374-1

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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

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)		> 0,1		EN ISO 374
Disposable gloves	Polyvinylalcohol (PVA)				EN ISO 374

Respiratory protection

Respiratory protection			
Device	Filter type	Condition	Standard
Reusable half mask	(FFP1), Type A - High-boiling (>65 °C) organic compounds, Type P1	Vapour protection	EN 149, EN 14387

Environmental exposure controls

Environmental exposure controls:

Avoid creating or spreading dust. Avoid release to the environment.

Other information:

Assure that emissions are compliant with all applicable air pollution control regulations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: Light odour of petroleum.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Extremely flammable aerosol.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: < 0 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not applicable
Viscosity, kinematic	: Not available
Solubility	: Not soluble in water alone. Water: Insoluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: < 10 bar
Density	: Not available
Relative density	: 0.657
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

cyclohexane	
Boiling point	80.7 °C
Flash point	-18 °C
Auto-ignition temperature	260 °C

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cyclohexane

Vapour pressure	103 hPa at 20 °C
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Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane

Boiling point	84 – 106 °C Atm. press.: 100 kPa Decomposition: 'no' Remarks on result: 'other:'
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Flash point	< 0 °C Atm. press.: 1 atm
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Vapour pressure	6 kPa Temp.: 20 °C
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9.2. Other information

Information with regard to physical hazard classes

% of flammable ingredients : 195 %

Other safety characteristics

Minimum ignition energy : ≥ 30000 J

VOC content : 657 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

10.4. Conditions to avoid

Heat. Open flame. High temperature. Protect from freezing. Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Sources of ignition.

10.5. Incompatible materials

Not known.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Stable under normal conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

n-hexane (110-54-3)

LD50 oral rat	16000 mg/kg
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LD50 dermal rabbit	3350 mg/kg
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LC50 Inhalation - Rat	≥ 17.6 mg/l
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LC50 Inhalation - Rat [ppm]	73680 ppm
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cyclohexane (110-82-7)	
LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg (OECD 402 method)
LC50 Inhalation - Rat	32880 mg/l (OECD 403 method)

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane (64742-49-0)	
LD50 oral rat	≥ 5840 mg/kg (OECD 401 method)
LD50 dermal rat	2800 – 3100 mg/kg bodyweight Animal: rat, Remarks on results: other:
LD50 dermal rabbit	≥ 2920 mg/kg (OECD 402 method)
LC50 Inhalation - Rat	> 25.2 mg/l air Animal: rat

Skin corrosion/irritation	: Causes skin irritation. pH: Not applicable
Serious eye damage/irritation	: Not classified pH: Not applicable
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.

n-hexane (110-54-3)	
STOT-single exposure	May cause drowsiness or dizziness.

cyclohexane (110-82-7)	
STOT-single exposure	May cause drowsiness or dizziness.

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane (64742-49-0)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

n-hexane (110-54-3)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

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Vaporizer	Aerosol

cyclohexane (110-82-7)	
Viscosity, kinematic	1.161 mm ² /s

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane (64742-49-0)	
Viscosity, kinematic	0.7 mm ² /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm ² /s)'

11.2. Information on other hazards

Other information

Potential adverse human health effects and symptoms	: Splashes in the eyes may cause irritation and reversible local damage, Exposure to organic solvent vapours above the indicated exposure limits may result in adverse health effects such as, Irritation of the respiratory tract and the other mucous membranes, Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis, May cause kidney and liver disease, and disorders of the central nervous system, Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness, May cause severe irreversible damage
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - water	: Toxic to aquatic life with long lasting effects. Do not allow into drains or water courses.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

n-hexane (110-54-3)	
LC50 - Fish [1]	96h 12.51 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	48h 2.1 mg/l Daphnia magna (Big water flea)
ErC50 algae	72h 9.29 mg/l Pseudokirchneriella subcapitata
cyclohexane (110-82-7)	
LC50 - Fish [1]	4.53 mg/l (OECD 203 method)
EC50 - Crustacea [1]	48h 0.9 mg/l (OECD 202 method)
ErC50 algae	72h 3.4 mg/l (OECD 201 method)
NOEC chronic algae	0.925 mg/l (OECD 201 method)
Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane (64742-49-0)	
LC50 - Fish [1]	11.4 mg/l (OECD 203 method)
EC50 - Crustacea [1]	3 mg/l (OECD 202 method)
ErC50 algae	30 – 100 mg/l
LOEC (chronic)	0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

Bloem Multicleaner	
Persistence and degradability	Rapidly degradable
n-hexane (110-54-3)	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test.
cyclohexane (110-82-7)	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test.
Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane (64742-49-0)	
Persistence and degradability	Easily biodegradable (concerning to the criteria of the OECD), Highly volatile, Will not undergo hydrolysis.

12.3. Bioaccumulative potential

n-hexane (110-54-3)	
Bioconcentration factor (BCF REACH)	501
Bioaccumulative potential	not bioaccumulable.
cyclohexane (110-82-7)	
Bioconcentration factor (BCF REACH)	167
Partition coefficient n-octanol/water (Log Pow)	3.44

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cyclohexane (110-82-7)

Bioaccumulative potential	not bioaccumulable.
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Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane (64742-49-0)

Bioaccumulative potential	Not determined.
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12.4. Mobility in soil

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane (64742-49-0)

Ecology - soil	Highly volatile.
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12.5. Results of PBT and vPvB assessment

Bloem Multicleaner

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

Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	cyclohexane (110-82-7)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	cyclohexane (110-82-7)

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Empty the packaging completely prior to disposal. Do not allow into drains or water courses.
Product/Packaging disposal recommendations	: Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. Dispose of at a licensed waste collection centre.
Ecological waste information	: Avoid release to the environment.
European List of Waste (LoW, EC 2000/532)	: 15 01 10* - packaging containing residues of or contaminated by dangerous substances
HP Code	: HP3 - "Flammable:" – flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C; – flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air; – flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction; – flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; – water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities; – other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste. HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye. HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment






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SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document description				
UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-D EmS-No. (Spillage): S-U	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: 5F
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207, LP02
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

Transport by sea

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP02
Special packing provisions (IMDG)	: PP87, L2
Stowage category (IMDG)	: None

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Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

Inland waterway transport

Classification code (ADN)	: 5F
Special provisions (ADN)	: 190, 327, 344, 625
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01, VE04
Number of blue cones/lights (ADN)	: 1

Rail transport

Classification code (RID)	: 5F
Special provisions (RID)	: 190, 327, 344, 625
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P207, LP02
Special packing provisions (RID)	: PP87, RR6, L2
Mixed packing provisions (RID)	: MP9
Transport category (RID)	: 2
Special provisions for carriage – Packages (RID)	: W14
Special provisions for carriage - Loading, unloading and handling (RID)	: CW9, CW12
Colis express (express parcels) (RID)	: CE2
Hazard identification number (RID)	: 23

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	n-hexane ; cyclohexane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	n-hexane ; cyclohexane ; Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	n-hexane ; cyclohexane ; Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
40.	n-hexane ; cyclohexane	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.
57.	cyclohexane	Cyclohexane

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): Naphtha (petroleum), hydrotreated light (64742-49-0)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

VOC Directive (2004/42)

VOC content : 657 g/l

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

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

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane

SECTION 16: Other information

Indication of changes:

Hazards identification. Regulatory information.

Abbreviations and acronyms:	
CAS-No.	Chemical Abstracts Service number
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BOD	Biochemical oxygen demand (BOD)
BCF	Bioconcentration factor
COD	Chemical oxygen demand (COD)

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Abbreviations and acronyms:	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EN	European Standard
EC-No.	European Community number
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
IOELV	Indicative Occupational Exposure Limit Value
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

Data sources : ECHA (European Chemicals Agency). REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H222	Extremely flammable aerosol.

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Full text of H- and EUH-statements:	
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Aerosol 1	H222;H229	On basis of test data
Skin Irrit. 2	H315	Calculation method
STOT SE 3	H336	Calculation method
Aquatic Chronic 2	H411	Calculation method

Safety Data Sheet (SDS), EU

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.