SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878, as amended

CLEANSER AL

Creation date	15.09.1999	Version number	4.0
Revision date	13.03.2026		

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

1.1. Product identifier — Cleanser AL

Substance / mixture — mixture

UFI — CK20-40KY-D00C-P03P

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

Intended uses of the mixture

Window and door joinery: cleaning powder-coated and anodised aluminium profiles and polyurethane. Cleaning painted surfaces in the plastics and metal processing industries.

Cleaning surfaces before bonding and removing cured residues of various adhesive systems.
Removing protective-film adhesive residues, dust, grease, rubber marks, fresh polyurethane foam and fresh sealant residues, as well as tar and bitumen.

Uses of the mixture advised against

Do not use the product for purposes other than those specified in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name	KONKRET S.C.
Address	ul. Piastowska 8, Brzesko, 32-800 Poland
Telephone	+48 14 663 51 43
E-mail	biuro@okucia.pl

Person responsible for the safety data sheet

Name	KONKRET S.C.
E-mail	biuro@okucia.pl

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture according to Regulation (EC) No 1272/2008

The mixture is classified as hazardous.

Flam. Liq. 2, H225
Asp. Tox. 1, H304
Skin Irrit. 2, H315
STOT SE 3, H336
Repr. 2, H361
STOT RE 2, H373 (nervous system)
Aquatic Chronic 2, H411

Most significant adverse physicochemical effects

Highly flammable liquid and vapour.

Most significant adverse effects on human health and the environment

May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to the nervous system through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictograms



Signal word

Danger

Hazardous substances

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics
hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane
n-hexane

Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to the nervous system through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye protection/protective clothing.
P301+P310	IF SWALLOWED: Immediately call a doctor.
P331	Do NOT induce vomiting.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container at an authorised waste disposal facility or return to the supplier.

Requirements for child-resistant fastenings and tactile warnings

Packaging must be fitted with a tactile warning of danger for blind persons.
Packaging must be fitted with a child-resistant fastening.

2.3. Other hazards

The mixture does not contain substances with endocrine-disrupting properties according to the criteria in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. The mixture does not contain substances meeting the PBT or vPvB criteria in Annex XIII to Regulation (EC) No 1907/2006 (REACH), as amended. Contains no PMT/vPvM constituents.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterisation

Mixture of the substances and additives listed below.

The mixture contains the following hazardous substances and substances with established occupational exposure limits

Identification numbers	Substance name	Content, % by weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 920-750-0 Registration number: 01-2119473851-33- XXXX	hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	40-60	Flam. Liq. 2, H225 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 EUH066	1, 4
EC: 924-168-8 Registration number: 01-2119472127-39- XXXX	hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane	40-60	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Repr. 2, H361 STOT RE 2, H373 (nervous system) (inhalation) Aquatic Chronic 2, H411	

Identification numbers	Substance name	Content, % by weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 601-017-00-1 CAS: 110-82-7 EC: 203-806-2 Registration number: 01-2119463273-41- XXXX	cyclohexane	<3	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	1, 3
Index: 601-037-00-0 CAS: 110-54-3 EC: 203-777-6 Registration number: 01-2119480412-44- XXXX	n-hexane	<1,5	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Repr. 2 (***), H361f STOT RE 1, H372 (nervous system) Aquatic Chronic 2, H411	1, 2

Notes

*** reproductive toxicity: additional letters indicate whether damage to the unborn child (d) or damage to fertility (f) may occur

1 Substance with established exposure limits.

2 Substance of very high concern - SVHC.

3 Use of the substance is restricted under Annex XVII to the REACH Regulation

4 Substances of unknown or variable composition, complex reaction products or biological materials - UVCB.

The full text of all classifications and standard hazard statements is given in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Do not perform artificial respiration without personal protective equipment (e.g. a mask). Ensure your own safety. If health problems occur or in case of doubt, inform a doctor and provide the information in this safety data sheet. If unconscious, place the casualty in the recovery position on their side, with the head tilted slightly back, and ensure the airway is clear. Never induce vomiting. If the casualty vomits spontaneously, ensure that they do not choke on vomit. In life-threatening situations, first resuscitate the casualty and obtain medical assistance. If breathing has stopped, immediately provide artificial respiration. In cardiac arrest, immediately perform chest compressions.

If inhaled

Stop exposure immediately and move the casualty to fresh air. Ensure your own safety; do not allow the exposed person to walk! Beware of contaminated clothing. Depending on the situation, call an ambulance and obtain medical attention, as further observation for at least 24 hours is often necessary.

In case of skin contact

Remove contaminated clothing. Wash the affected area with plenty of preferably lukewarm water. If the skin is not damaged, soap, soapy water or shampoo may be used. Obtain medical attention if skin irritation persists. Rinse skin with water or shower.

In case of eye contact

Immediately flush eyes with running water, holding the eyelids apart (even forcibly if necessary); if the casualty wears contact lenses, remove them immediately. Rinse for at least 10 minuteses. Obtain medical attention and specialist care if possible.

If swallowed

If the casualty vomits, prevent choking on vomit (aspiration of even small amounts of these liquids into the airways may damage the lungs). Obtain medical attention because further observation for at least 24 hours is necessary. Take the original labelled packaging or the safety data sheet for the substance with you.

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

If inhaled

Cough, headache. May cause drowsiness or dizziness.

In case of skin contact

Causes skin irritation.

In case of eye contact

None expected.

If swallowed

Irritation, nausea.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, dry powder, water spray, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

Fire may produce carbon monoxide, carbon dioxide and other toxic gases. Inhalation of hazardous combustion (pyrolysis) products may cause serious harm to health.

5.3. Advice for firefighters

Use self-contained breathing apparatus with chemical protective clothing where personal (close) contact is likely. Use self-contained breathing apparatus and a full-body protective suit. Cool closed containers of product near the fire with water. Prevent contaminated extinguishing media from entering drains, surface water or groundwater.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Highly flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in Sections 7 and 8. Do not breathe mist/vapours/spray. Avoid contact with eyes and skin.

6.2. Environmental precautions

Prevent contamination of soil and entry into surface water or groundwater. Do not allow to enter drains.

6.3. Methods and material for containment and cleaning up

Cover the spilled product with a suitable non-combustible absorbent (sand, silica, soil or other suitable absorbent material, etc.), collect in tightly closed containers and dispose of according to Section 13. In the event of a large spill, inform the fire brigade and other competent authorities. After removing the product, wash the contaminated area with plenty of water. Do not use solvents.

6.4. Reference to other sections

See Sections 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent the formation of gases and vapours at flammable or explosive concentrations and at concentrations exceeding occupational exposure limits. Use the product only in areas where contact with open flames and other ignition sources is prevented. Use non-sparking tools. Antistatic footwear and clothing are recommended. Do not breathe mist/vapours/spray. Avoid contact with eyes and skin. Do not smoke. Wash hands and affected parts of the body thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Use personal protective equipment for work as specified in Section 8. Comply with applicable health and safety legislation. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take action to prevent static discharges. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed packaging in designated cool, dry and well-ventilated areas. Do not expose to sunlight. Store locked up. Keep container tightly closed. Keep cool.

Specific requirements or rules for the substance/mixture

Solvent vapours are heavier than air and accumulate mainly near the floor, where they may form explosive mixtures with air.

7.3. Specific end use(s)

No data on specific uses other than those listed in subsection 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances with established occupational exposure limits.

Poland — Dz.U. 2024 poz. 1017

Substance name (constituents)	Type	Value
extraction naphtha	NDS	500 mg/m³
	NDSCh	1500 mg/m³
varnish naphtha	NDS	300 mg/m³
	NDSCh	900 mg/m³

Poland — Dz.U. 2024 poz. 1017

Substance name (constituents)	Type	Value
cyclohexane	NDS	300 mg/m³
	NDSCh	1000 mg/m³
n-hexane	NDS	72 mg/m³
toluene	NDS	100 mg/m³
	NDSCh	200 mg/m³
benzene	NDS	0,66 mg/m³
	NDS	0,2 ppm

Notes

The 'skin' notation indicates that absorption through the skin may be as significant as exposure by inhalation.

European Union — Commission Directive 2006/15/EC

Substance name (constituents)	Type	Value
cyclohexane (CAS: 110−82−7)	OEL 8 hours	700 mg/m³
	OEL 8 hours	200 ppm

European Union — Commission Directive 2006/15/EC

Substance name (constituents)	Type	Value
n-hexane (CAS: 110−54−3)	OEL 8 hours	72 mg/m³
	OEL 8 hours	20 ppm

DNEL

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	2035 mg/m³	Long-term systemic effects
Workers	Dermal	773 mg/kg bw/day	Long-term systemic effects
Consumers	Inhalation	608 mg/m³	Long-term systemic effects
Consumers	Oral	699 mg/kg bw/day	Long-term systemic effects
Consumers	Dermal	699 mg/kg bw/day	Long-term systemic effects

8.2. Exposure controls

Take off contaminated clothing and wash it before reuse. Observe usual occupational health precautions, particularly adequate ventilation. This can be achieved by local exhaust ventilation or effective general ventilation. If the occupational exposure limit (NDS-P) cannot be met in this way, use suitable respiratory protection. Do not eat, drink or smoke while working. Wash hands thoroughly with soap and water after work and before meal and rest breaks.

Eye/face protection



Safety goggles.

Skin protection



Hand protection: protective gloves resistant to the product. Select suitable thickness, material and permeability in accordance with the glove manufacturer's recommendations. Follow the manufacturer's other recommendations. Other protection: antistatic protective clothing made of natural fibres (cotton) or heat-resistant synthetic fibres. Antistatic footwear. Wash skin thoroughly if contaminated.

Glove material	Thickness	Breakthrough time	Class
Butyl rubber (IIR)	≥ 0,3 mm	>480 min	6

Respiratory protection



Mask with an organic vapour filter in inadequately ventilated areas.

Thermal hazards
No data available.
Environmental exposure controls
Observe usual environmental protection precautions; see subsection 6.2. Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	characteristic
Melting point/freezing point	<-20 °C
Boiling point or initial boiling point and boiling range	no data available
Flammability	flammable
Lower and upper explosion limit	no data available
Flash point	<0 °C
Auto-ignition temperature	≥200 °C
cyclohexane (CAS: 110-82-7)	260 °C
Decomposition temperature	no data available
pH	no data available
Kinematic viscosity	no data available
Solubility in water	practically insoluble
cyclohexane (CAS: 110-82-7)	<0,1 g/l
Partition coefficient n-octanol/water (log value)	no data available
Vapour pressure	≈20 kPa at 40 °C
Density and/or relative density	
density	0,62-0,88 g/cm³ at 15 °C
cyclohexane (CAS: 110-82-7)	0,78 g/cm³
Relative vapour density	no data available
Particle characteristics	no data available

9.2. Other information
no data available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is non-reactive under normal conditions.

10.2. Chemical stability
The product is stable under normal conditions.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
The product is stable and does not decompose under normal conditions of use. Protect from flames, sparks, overheating and frost.

10.5. Incompatible materials
Keep away from strong acids, bases and oxidising agents.

10.6. Hazardous decomposition products
None under normal conditions of use. At high temperatures and during a fire, hazardous products such as carbon monoxide and carbon dioxide are formed.

SECTION 11: Toxicological information

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

Hazardous substances at concentrations exceeding exposure limits may cause acute poisoning by inhalation, depending on concentration and exposure duration. No toxicological data are available for the mixture.

Acute toxicity

No data are available for the mixture. Based on available data, the classification criteria for the mixture are not met.

cyclohexane						
Route of exposure	Endpoint	Method	Value	Exposure duration	Species	Sex
Dermal	LD_{50}		>2000 mg/kg		Rat	
Oral LD_{50}			>5000 mg/kg bw/day		Rat	F/M

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics						
Route of exposure	Endpoint	Method	Value	Exposure duration	Species	Sex
Oral	LD_{50}		>5840 mg/kg		Rat	
Dermal	LD_{50}		2800-3100 mg/kg		Rat	
Inhalation	LC_{50}	OECD 403	>23,3 mg/l		Rat	

Skin corrosion/irritation

Causes skin irritation. No data are available for the constituents of the mixture.

Serious eye damage/eye irritation

No data are available for the mixture. Based on available data, the classification criteria for the mixture are not met.

cyclohexane			
Route of exposure	Result	Exposure duration	Species
	Slightly irritating		Rabbit

Respiratory or skin sensitisation

No data are available for the mixture. Based on available data, the classification criteria for the mixture are not met.

cyclohexane				
Route of exposure	Result	Exposure duration	Species	Sex
	Not sensitising			

Germ cell mutagenicity

No data are available for the mixture or its constituents. Based on available data, the classification criteria for the mixture are not met.

Carcinogenicity

No data are available for the mixture or its constituents. Based on available data, the classification criteria for the mixture are not met.

Reproductive toxicity

Suspected of damaging fertility or the unborn child. No data are available for the constituents of the mixture.

STOT - single exposure

May cause drowsiness or dizziness. No data are available for the constituents of the mixture.

STOT - repeated exposure

May cause damage to the nervous system through prolonged or repeated exposure.

cyclohexane							
Route of exposure	Endpoint	Method	Value	Exposure duration	Result	Species	Sex
Inhalation	NOAEC		500 mg/l			Mouse	
Inhalation	NOAEC		2000 ppm			Mouse	

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics							
Route of exposure	Endpoint	Method	Value	Exposure duration	Result	Species	Sex
Inhalation	NOAEC	OECD 413	24,3 mg/l	90 days		Rat	F/M

Aspiration hazard

May be fatal if swallowed and enters airways. No data are available for the constituents of the mixture.

11.2. Information on other hazards

Endocrine-disrupting properties

Based on available data, the classification criteria for the mixture are not met. Contains no constituents that may cause endocrine disruption in humans.

Other information

no data available

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

Acute toxicity

cyclohexane				
Endpoint	Value	Exposure duration	Species	Environment
EC_{50}	3,78 mg/l	48 hours	Water fleas (Daphnia magna)	
EC_{50}	3,4 mg/l	72 hours	Algae	
IC_{50}	0,9 mg/l	72 hours	Algae	
LC_{50}	9,317 mg/l	96 hours	Fish (Oncorhynchus mykiss)	

Chronic toxicity

cyclohexane				
Endpoint	Value	Exposure duration	Species	Environment
NOEC	0,94 mg/l	72 hours	Algae	

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics				
Endpoint	Value	Exposure duration	Species	Environment
LOEC	0,32 mg/l	21 days	Invertebrates (Daphnia magna)	

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics				
Endpoint	Value	Exposure duration	Species	Environment
NOEC	0,17 mg/l	21 days	Invertebrates (Daphnia magna)	

12.2. Persistence and degradability

No data are available for the mixture or its constituents.

12.3. Bioaccumulative potential

No data are available for the mixture or its constituents.

12.4. Mobility in soil

Based on available data, the classification criteria for the mixture are not met. Contains no PMT/vPvM constituents.

12.5. Results of PBT and vPvB assessment

Based on available data, the classification criteria for the mixture are not met. Contains no PBT/vPvB constituents.

12.6. Endocrine-disrupting properties

Based on available data, the classification criteria for the mixture are not met. Contains no constituents that may cause endocrine disruption in the environment.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Risk of environmental contamination. Comply with the Waste Act (Journal of Laws 2013, item 21) and implementing waste disposal regulations. Keep unused product and contaminated packaging in closed waste collection containers and hand over for disposal to an authorised waste contractor (a specialist company licensed for this activity). Do not discharge unused product into drains. Do not dispose of with municipal waste. Thoroughly cleaned packaging may be recycled.

Waste management legislation

Announcement of the Marshal of the Sejm of the Republic of Poland of 7 July 2023 publishing the consolidated text of the Waste Act (Journal of Laws 2023, item 1587), as amended. Act of 14 December 2012 on waste (Journal of Laws of 8 January 2013, item 21), as amended. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste. Act of 13 June 2013 on the management of packaging and packaging waste (consolidated text: Journal of Laws 2024, item 1911), as amended. Regulation of the Minister of Climate of 2 January 2020 on the waste catalogue (Journal of Laws 2020, item 10).

SECTION 14: Transport information

14.1. UN number or ID number

UN 1268

14.2. UN proper shipping name

PETROLEUM DISTILLATES, N.O.S. (PETROLEUM PRODUCTS, N.O.S.)

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

II

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Refer to Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Supplemental information

Hazard identification number	33
UN number	1268
Classification code	F1
Labels	3+environmental hazard



Tunnel restriction code	(D/E)

Air transport - ICAO/IATA

Passenger packing instructions	353
Cargo packing instructions	364

Sea transport - IMDG

EmS (emergency schedule)	F-E, S-E
MFAG	310

SECTION 15: Regulatory information

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

Act of 19 August 2011 on the transport of dangerous goods (consolidated text: Journal of Laws 2024, item 643). Public Health Act (Journal of Laws 2024.0.1670, consolidated text - Act of 11 September 2015 on public health). Announcement of the Marshal of the Sejm of the Republic of Poland of 9 May 2025 publishing the consolidated text of the Environmental Protection Law (Journal of Laws 2025, item 647). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No 1272/2008 of the European Parliament and of the Council, as amended. Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals. Act of 25 February 2011 on chemical substances and their mixtures (consolidated text: Journal of Laws 2022, item 1816). Act of 28 May 2020 amending the Act on chemical substances and their mixtures and certain other acts (Journal of Laws 2020, item 1337). Act of 23 January 2020 amending the Waste Act and certain other acts (Journal of Laws of 23 January 2020, item 150). Act of 13 July 2023 amending the Act on the management of packaging and packaging waste and certain other acts (Journal of Laws 2023, item 1852). Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on maximum permissible concentrations and intensities of agents harmful to health in the working environment (Journal of Laws 2018, item 1286), as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Restriction under Annex XVII to Regulation (EC) No 1907/2006 (REACH), as amended

cyclohexane

Restriction	Conditions of restriction
57	1. Shall not be placed on the market for the first time after 27 June 2010 for supply to the general public as a constituent of neoprene-based contact adhesives in concentrations equal to or greater than 0.1% by weight in pack sizes greater than 350 g. 2. Neoprene-based contact adhesives containing cyclohexane that do not comply with paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010. 3. Without prejudice to other Community legislation on the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before placing on the market that neoprene-based contact adhesives containing cyclohexane at concentrations equal to or greater than 0.1% by weight, placed on the market for supply to the general public after 27 December 2010, are visibly, legibly and indelibly marked as follows: "- This product is not to be used under conditions of poor ventilation. - This product is not to be used for carpet laying."

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the substances in the mixture.

SECTION 16: Other information

List of hazard statements used in this safety data sheet

EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H361f	Suspected of damaging fertility.
H372	Causes damage to the nervous system through prolonged or repeated exposure.
H373	May cause damage to the nervous system through prolonged or repeated exposure.
H373	May cause damage to the nervous system through prolonged or repeated exposure if inhaled.
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.

List of precautionary statements used in this safety data sheet

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye protection/protective clothing.
P301+P310	IF SWALLOWED: Immediately call a doctor.
P331	Do NOT induce vomiting.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container at an authorised waste disposal facility or return to the supplier.

Further information relevant to safety and protection of human health

The product must not be used for purposes other than those specified in Section 1 without the express consent of the manufacturer/importer. The user is responsible for compliance with all relevant health protection regulations.

Explanation of abbreviations and acronyms used in this safety data sheet

ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Acute	Hazardous to the aquatic environment (acute)
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service
EC_{50}	Concentration affecting 50% of the population
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EuPCS	European product categorisation system
Flam. Liq.	Flammable liquid
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk
IC_{50}	Concentration causing 50% inhibition
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC_{50}	Lethal concentration expected to cause death in 50% of the population
LD_{50}	Lethal dose expected to cause death in 50% of the population
log Kow	Octanol-water partition coefficient
VOC	Volatile organic compounds
NDS	Maximum permissible concentration
NDSCh	Maximum permissible short-term concentration
NDSP	Maximum permissible ceiling concentration
NOAEC	No observed adverse effect concentration
NOEC	No observed effect concentration
UN number	Four-digit identification number for a substance or article from the UN Model Regulations
OEL	Occupational exposure limit
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.	Reproductive toxicity
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
Skin Irrit.	Skin irritation
STOT RE	STOT - repeated exposure
STOT SE	STOT - single exposure
EU	European Union
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile
WE	Identification code for each substance listed in EINECS

Training advice

Familiarise workers with the recommended use, mandatory protective measures, first aid and prohibited handling practices for the product.

Recommended restrictions on use

no data available

Sources of data used to compile the safety data sheet

Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH), as amended.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council, as amended. Data from the substance/mixture manufacturer - data from the registration dossier.

Changes made (information added, deleted or modified)

Data in subsection 3.1 (information on ingredients), subsection 8.2 (exposure controls) and subsection 15.1 (updated legislation) have been updated. Replaces version 3.0, revised on 28.10.2022.

Other data

Classification procedure - calculation method.

V2633C29315

Disclaimer

This safety data sheet contains information intended to ensure occupational health and safety and environmental protection. The information reflects the current state of knowledge and experience and complies with applicable legislation. It must not be regarded as a guarantee of the suitability or performance of the product for a particular application.