SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

NEXLER Silver Protect

Creation date	02nd February 2022		
Revision date		Version	1.0

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

1.1. Product identifier — NEXLER Silver Protect

Substance / mixture — mixture

UFI — C802-W03G-K005-D32K

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

Mixture's intended use

Varnish intended for insulating and decorative coatings on the outside of buildings and structures: for asphalt damp-proof insulation, for asphalt roofing felt, for roofing made of tar paper shingles, for sealing asphalt and for the maintenance of galvanized sheet materials.

Main intended use

PC-PNT-3 Paints/coatings - Protective and functional

Mixture uses advised against

The product should not be used in ways other then those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name	IZOHAN sp. z o.o.
Address	Łużycka 2, Gdynia, 81-963 Poland
Identification number (CRN)	191528483
VAT Reg No	PL5862073821
Phone	+48 58 781 45 85
E-mail	info@izohan.eu
Web address	www.izohan.eu

Competent person responsible for the safety data sheet

Name	IZOHAN sp. z o.o.
E-mail	info@izohan.eu

1.4. Emergency telephone number

National Health Service (NHS) 111
National poisoning information centre Scotland, NHS 24: 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Flam. Liq. 3, H226
STOT SE 3, H335, H336
STOT RE 1, H372
Aquatic Chronic 2, H411

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

Flammable liquid and vapour.

Most serious adverse effects on human health and the environment

May cause respiratory irritation. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram

Signal word

Danger

Hazardous substances

Hydrocarbons, C9, aromatics
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hazard statements

H226	Flammable liquid and vapour.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs 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.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to according to the instructions of the manufacturer or person authorized to dispose of waste.

Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 64742-95-6 EC: 918-668-5 Registration number: 01-2119455851-35	Hydrocarbons, C9, aromatics	41-44	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335, H336 Aquatic Chronic 2, H411 EUH066	3
Index: 013-001-00-6 CAS: 7429-90-5 EC: 231-072-3 Registration number: 01-2119529243-45	aluminium powder (pyrophoric)	16-20	Pyr. Sol. 1, H250 Water-react. 2, H261	1, 2
EC: 919-446-0 Registration number: 01-2119458049-33	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	10-11	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 STOT RE 1, H372 Aquatic Chronic 2, H411 EUH066	3

Notes

1 Note T: This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.

2 Substance with a Union workplace exposure limit.

3 Substance of unknown or variable composition, complex reaction products or biological materials - UVCB.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water or shower.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

If swallowed

Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

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

If inhaled

Cough, headache. May cause respiratory irritation. May cause drowsiness or dizziness.

If on skin

Not expected.

If in eyes

Not 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, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale aerosols.

6.2. Environmental precautions

Do not allow to enter drains. Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale aerosols. No smoking. Do not eat, drink or smoke when using this product. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. 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 containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Store locked up. Keep container tightly closed. Keep cool.

The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

United Kingdom **EH40/2005 Workplace exposure limits (Fourth Edition 2020)**

Substance name (component)	Type	Value	Note
aluminium powder (pyrophoric) (CAS: 7429-90-5)	WEL 8h	10 mg/m³	inhalable dust, As Al

United Kingdom **EH40/2005 Workplace exposure limits (Fourth Edition 2020)**

Substance name (component)	Type	Value	Note
aluminium powder (pyrophoric) (CAS: 7429-90-5)	WEL 8h	4 mg/m³	respirable dust, As Al

DNEL

aluminium powder (pyrophoric)

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	3.72 mg/m³	Systemic chronic effects	
Workers	Inhalation	3.72 mg/m³	Local chronic effects	
Consumers	Oral	7.9 mg/kg bw/day	Systemic chronic effects	

Hydrocarbons, C9, aromatics

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Dermal	25 mg/kg bw/day	Systemic chronic effects	
Workers	Inhalation	150 mg/m³	Systemic chronic effects	
Consumers	Dermal	11 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	32 mg/m³	Systemic chronic effects	
Consumers	Oral	11 mg/kg bw/day	Systemic chronic effects	

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	330 mg/m³	Systemic chronic effects	
Workers	Inhalation	570 mg/m³	Systemic acute effects	
Workers	Dermal	21 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	71 mg/m³	Systemic chronic effects	
Consumers	Inhalation	570 mg/m³	Systemic acute effects	
Consumers	Dermal	12 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	21 mg/kg bw/day	Systemic chronic effects	

PNEC

aluminium powder (pyrophoric)

Route of exposure	Value	Determining method
Microorganisms in wastewater treatment plants	20 mg/l	

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Contaminated skin should be washed thoroughly.

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	silver
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	flammable liquid and vapor
Lower and upper explosion limit	data not available
Flash point	>40 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	non-soluble (in water)
Kinematic viscosity	>20,5 mm²/s at 40 °C
Solubility in water	insoluble
Solubility in other solvents	dissolves in most organic solvents
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1 g/cm³ at 22 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	

9.2. Other information

Explosive properties	The product does not have explosive properties.

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is not reactive.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

aluminium powder (pyrophoric)

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD_{50}	OECD 401	>15900 mg/kg bw		Rat (Rattus norvegicus)	F/M
Inhalation (aerosols)	LC_{50}	OECD 403	>888 mg/m³	4 hour	Rat (Rattus norvegicus)	M

Hydrocarbons, C9, aromatics

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Dermal	LD_{50}	OECD 402	>3160 mg/kg bw	24 hour	Rabbit	F/M
Inhalation	LC_{50}	OECD 403	>6193 mg/m³	4 hour	Rat (Rattus norvegicus)	F/M
Oral	LD_{50}		>3492 mg/kg bw		Rat (Rattus norvegicus)	F/M

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD_{50}	OECD 401	>15000 mg/kg		Rat (Rattus norvegicus)	F/M
Inhalation (vapor)	LC_{50}	OECD 403	>13.1 mg/l of air	4 hour	Rat (Rattus norvegicus)	F/M
Inhalation	LC_{50}	OECD 403	>1.58 mg/l of air	4 hour	Rat (Rattus norvegicus)	F/M

Irritation

Hydrocarbons, C9, aromatics

Route of exposure	Result	Method	Time of exposure	Species
Dermal	Slightly irritating	OECD 404		Rabbit

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure
May cause respiratory irritation. May cause drowsiness or dizziness.

Toxicity for specific target organ - repeated exposure
Causes damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

Hydrocarbons, C9, aromatics

Route of exposure	Parameter	Result	Method	Value	Time of exposure	Species	Sex
Oral	NOAEL	Systemic effects	OECD 408	600 mg/kg bw/day	90 day	Rat (Rattus norvegicus)	F/M
Inhalation (vapor)	NOAEC	Systemic effects	OECD 452	1800 mg/m³	1 year	Rat (Rattus norvegicus)	M

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Route of exposure	Parameter	Result	Method	Value	Time of exposure	Species	Sex
Oral	NOAEL		OECD 408	1056 mg/kg bw/day	30 day	Rat (Rattus norvegicus)	F
Inhalation (vapor)	NOAEC		OECD 413	3950 mg/m³	13 week	Rat (Rattus norvegicus)	F
Dermal	NOAEL		OECD 411	495 mg/kg bw/day	13 week	Rat (Rattus norvegicus)	F/M

Aspiration hazard
Based on available data the classification criteria are not met.

11.2. Information on other hazards
not available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity
Toxic to aquatic life with long lasting effects.

Hydrocarbons, C9, aromatics

Parameter	Method	Value	Time of exposure	Species	Environment
EL 50	OECD 201	2.9 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)	
EbL 50	OECD 201	2.6 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)	
EL 50	OECD 202	3.2 mg/l	48 hour	Aquatic invertebrates (Daphnia magna)	
LL 50	OECD 203	9.2 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Parameter	Method	Value	Time of exposure	Species	Environment
LL50	OECD 203	10-30 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
EL50	OECD 202	10-22 mg/l	48 hour	Aquatic invertebrates (Daphnia magna)	
ErC_{50}	OECD 201	0.94 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)	
EC_{50}	OECD 201	0.53 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)	
EL50		43.98 mg/l	48 hour	Aquatic microorganisms (Tetrahymena pyriformis)	

Chronic toxicity

Hydrocarbons, C9, aromatics

Parameter	Method	Value	Time of exposure	Species	Environment
NOELR		2.14 mg/l	21 day	Aquatic invertebrates (Daphnia magna)	
NOELR		1.23 mg/l	28 day	Fishes (Oncorhynchus mykiss)	
NOEC	OECD 209	>99 mg/kg	10 min	Aquatic microorganisms	Activated sludge

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Parameter	Method	Value	Time of exposure	Species	Environment
EL50	OECD 211	1.19 mg/l	21 day	Aquatic invertebrates (Daphnia magna)	
EC_{50}	OECD 211	0.328 mg/l	21 day	Aquatic invertebrates (Daphnia magna)	
NOELR		0.13 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
NOELR	OECD 211	0.28 mg/l	21 day	Aquatic invertebrates (Daphnia magna)	

12.2. Persistence and degradability

Biodegradability

Hydrocarbons, C9, aromatics

Parameter	Method	Value	Time of exposure	Environment	Result
	OECD 301F	78 %	28 day		Easily biodegradable

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Parameter	Method	Value	Time of exposure	Environment	Result
	OECD 301F	75 %	28 day		Easily biodegradable

not available

12.3. Bioaccumulative potential

Not applicable - UVCB substance. Bitumen is insoluble in water and does not accumulate in soil.

12.4. Mobility in soil

Not applicable - UVCB substance.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Danger of environmental contamination, follow the applicable waste disposal regulations. Store unused product and contaminated packaging in closed containers for waste collection and hand over for disposal to a specialized company authorized to conduct such activity. Do not pour unused product into drains. It must not be disposed of together with municipal waste. Empty packaging can be used for energy in a waste incineration plant or collected in a landfill with an appropriate classification. Perfectly cleaned packaging can be recycled. The classification of waste may change depending on where it is generated.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

08 01 11 waste paint and varnish containing organic solvents or other hazardous substances *

Packaging waste type code

15 01 10 packaging containing residues of or contaminated by hazardous substances *

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (contains: Hydrocarbons, C9, aromatics)

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

III - substances presenting low danger

14.5. Environmental hazards

Yes.

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Hazard identification No.	**30**
UN number	**1993**
Classification code	F1
Safety signs	3+hazardous for the environment

Road transport - ADR

Special provisions	274, 601
Limited quantities	5 L
Excepted quantities	E1
Packaging	
Packing instructions	P001, IBC03, LP01, R001
Mixed packing provisions	MP19
Portable tanks and bulk containers	
Guidelines	T4
Special provisions	TP1, TP29
ADR tank	
Tank code	LGBF
Vehicles for tank carriage	FL
Transport category	3
Tunnel restriction code	(D/E)
Special provision for	
packages	V12
operation	S2

Railway transport - RID

Special provisions	274, 601
Excepted quantities	E1
Packaging	
Packing instructions	P001, IBC03, LP01, R001
Mixed packing provisions	MP19
Portable tanks and bulk containers	
Guidelines	T4
Special provisions	TP1, TP29
RID Tanks	
Tank code	LGBF
Transport category	0
Special provision for	
packages	W 12

Marine transport - IMDG

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

SECTION 15: Regulatory information

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

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 as amended. Environmental Protection Act 1990 as amended. Clean Air Act 1993 as amended. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the 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 of 16th 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, as amended.

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H226	Flammable liquid and vapour.
H250	Catches fire spontaneously if exposed to air.
H261	In contact with water releases flammable gases.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to according to the instructions of the manufacturer or person authorized to dispose of waste.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

A list of additional standard phrases used in the safety data sheet

EUH066	Repeated exposure may cause skin dryness or cracking.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CE_{50}	Concentration of a substance when it is affected 50% of the population
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EL_{50}	Effective Loading for 50% of the tested organisms
EmS	Emergency plan
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization

IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC_{50}	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD_{50}	Lethal dose of a substance in which it can be expected death of 50% of the population
LL_{50}	Lethal Loading for 50% of tested organisms
log Kow	Octanol-water partition coefficient
LZO	Volatile organic compounds
MARPOL	International Convention for the Prevention of Pollution from Ships
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
NOELR	No Observed Effect Loading Rate
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UE	European Union
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
vPvB	Very Persistent and very Bioaccumulative
WE	Identification code for each substance listed in EINECS

Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
Flam. Liq.	Flammable liquid
Pyr. Sol.	Pyrophoric solid
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
Water-react.	Substance or mixture which in contact with water emits flammable gas

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources 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 manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.