

Safety data sheet

according to Regulation (EC) No. 1907/2006 (REACH)



version number V 5.0
date of compilation 24.07.2023

DE

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

1.1 product identifier

trade name: OEST IXELON LT 200 EP *
article number: 42099
Unique Formula Identifier (UFI): MQ60-N0NJ-J00M-EF3G

1.2 relevant identified uses of the substance or mixture and uses advised against

relevant identified uses
grease
PROFESSIONAL, INDUSTRIAL, CONSUMER

1.3 details of the supplier of the safety data sheet

Georg Oest Mineralölwerk GmbH & Co. KG
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1.4 emergency telephone number

Diese Nummer ist nur zu Bürozeiten besetzt: 08:00 - 17:00
+49 7441/539-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)
This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- Signal word not required

- Pictograms not required

- Supplemental hazard information

EUH208 Contains Naphthenic acids, zinc salts, Polysulfides, di-tert-dodecyl. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Hazardous ingredients acc. to GHS				
Name of substance	Identifier	Wt%	Classification acc. to GHS	Notes
Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate)	CAS No 4259-15-8 EC No 224-235-5 REACH Reg. No 01-2119493635-27	< 3	Eye Dam. 1 / H318 Aquatic Chronic 2 / H411	
Naphthenic acids, zinc salts	CAS No 12001-85-3 EC No 234-409-2 REACH Reg. No 01-2120783834-41	< 1	Eye Irrit. 2 / H319 Skin Sens. 1B / H317 Aquatic Chronic 2 / H411	
Polysulfides, di-tert-dodecyl	CAS No 68425-15-0 EC No 270-335-7 REACH Reg. No 01-2119540516-41	< 1	Skin Sens. 1B / H317	
Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate)	Eye Dam. 1; H318: C ≥ 50 %	-	-	

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Remove victim out of the danger area. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Fire extinguishing powder, Carbon dioxide (CO₂), Sand

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use only in well-ventilated areas.

Advice on general occupational hygiene

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Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Never place chemicals in containers that are normally used for food or drink.

7.2 Conditions for safe storage, including any incompatibilities

Control of effects

No special measures are necessary. No hazardous reaction when handled and stored according to provisions.

Protect against external exposure, such as

Heat, Frost

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
DE	di-tert-dodecyl-polysulfide	68425-15-0	MAK		5		20			r	DFG
DE	polysulfide, di-tert-dodecyl-	68425-15-0	AGW		5		20			r, Y	TRGS 900

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur
r respirable fraction
STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)
Y a risk of developmental toxicity does not need to be expected if the occupational exposure limit value and the biological limit value (BGW) are adhered to

Remarks

Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified). Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified).

Relevant DNELs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate)	4259-15-8	DNEL	6.6 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate)	4259-15-8	DNEL	9.6 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Naphthenic acids, zinc salts	12001-85-3	DNEL	1.18 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Naphthenic acids, zinc salts	12001-85-3	DNEL	3.3 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Remarks

The product is not intended for consumer use.

Relevant PNECs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time

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Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate)	4259-15-8	PNEC	4 µg/l	aquatic organisms	freshwater	short-term (single instance)
Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate)	4259-15-8	PNEC	4.6 µg/l	aquatic organisms	marine water	short-term (single instance)
Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate)	4259-15-8	PNEC	3.8 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate)	4259-15-8	PNEC	0.322 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate)	4259-15-8	PNEC	0.032 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate)	4259-15-8	PNEC	0.062 mg/kg	terrestrial organisms	soil	short-term (single instance)
Polysulfides, di-tert-dodecyl	68425-15-0	PNEC	1 g/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Polysulfides, di-tert-dodecyl	68425-15-0	PNEC	3.85 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Polysulfides, di-tert-dodecyl	68425-15-0	PNEC	0.385 mg/kg	aquatic organisms	marine sediment	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

No special handling advices are necessary.

Individual protection measures (personal protective equipment)

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Type of material (long-term)

NBR: acrylonitrile-butadiene rubber (0,425 mm), Breakthrough times of the glove material: 240-480 min

- Type of material (short-term)

NBR: acrylonitrile-butadiene rubber (0,12 mm), Breakthrough times of the glove material: 10-30 min

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

not required

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

physical state

liquid (paste)

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colour	acc. to product description
odour	characteristic
melting point/freezing point	not determined
boiling point or initial boiling point and boiling range	not determined
flammability	this material is combustible, but will not ignite readily
flash point	>200 °C
auto-ignition temperature	not determined
decomposition temperature	not relevant
pH (value)	not determined
kinematic viscosity	not determined
Solubility(ies)	
water solubility	insoluble
Partition coefficient	
partition coefficient n-octanol/water (log value)	this information is not available
vapour pressure	not determined
Density and/or relative density	
density	not determined
relative vapour density	information on this property is not available
particle characteristics	not relevant (liquid)

9.2 Other information

information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
other safety characteristics	there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.
Hazardous combustion products: see section 5.

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SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

Acute toxicity

The classification criteria for these hazard classes are not met.

Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	oral	LD50	3,100 mg/kg	rat
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	dermal	LD50	>5,000 mg/kg	rabbit
Naphthenic acids, zinc salts	12001-85-3	oral	LD50	>2,000 mg/kg	rat

Skin corrosion/irritation

The classification criteria for this hazard class are not met.

Serious eye damage/eye irritation

The classification criteria for this hazard class are not met.

Respiratory or skin sensitisation

The classification criteria for these hazard classes are not met.

Germ cell mutagenicity

The classification criteria for this hazard class are not met.

Carcinogenicity

The classification criteria for this hazard class are not met.

Reproductive toxicity

The classification criteria for this hazard class are not met.

Specific target organ toxicity - single exposure

The classification criteria for this hazard class are not met.

Specific target organ toxicity - repeated exposure

The classification criteria for this hazard class are not met.

Aspiration hazard

The classification criteria for this hazard class are not met.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany)

12.2 Persistence and degradability

Data are not available.

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12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Relevant provisions relating to waste

Waste code (EU)

- Product

12 01 12* spent waxes and fats

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

- | | | |
|------|---|---|
| 14.1 | UN number or ID number | not subject to transport regulations |
| 14.2 | UN proper shipping name | not relevant |
| 14.3 | Transport hazard class(es) | none |
| 14.4 | Packing group | not assigned |
| 14.5 | Environmental hazards | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 | Special precautions for user | There is no additional information. |
| 14.7 | Maritime transport in bulk according to IMO instruments | The cargo is not intended to be carried in bulk. |

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information

Not subject to ADR, RID and ADN.

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International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)	
Name of substance	No
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	3
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	75
Naphthenic acids, zinc salts	75
Polysulfides, di-tert-dodecyl	3
Polysulfides, di-tert-dodecyl	75

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
	not assigned		

Industrial Emissions Directive (IED)

VOC content 0 %

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

Water Framework Directive (WFD)

List of pollutants (WFD)			
Name of substance	CAS No	Listed in	Remarks
Naphthenic acids, zinc salts		a)	

Legend

A) Indicative list of the main pollutants

Regulation on the marketing and use of explosives precursors

none of the ingredients are listed

Regulation on drug precursors

none of the ingredients are listed

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Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

National regulations (Germany)

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK 1 slightly hazardous to water
(water hazard class)

Technical instructions on air quality control (Germany)

Number	Group of substances	Class	Conc.	Mass flow	Mass concentration	Notation
5.2.5	organic substances		1 – < 5 wt%	0.5 kg/h	50 mg/m ³	3)

Notation

3) a total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m³, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)

Storage class (LGK) 10 (combustible liquids)

National inventories

Country	Inventory	Status
CA	DSL	all ingredients are listed
CN	IECSC	not all ingredients are listed
EU	ECSI	all ingredients are listed
EU	REACH Reg.	all ingredients are listed
US	TSCA	all ingredients are listed

Legend

DSL Domestic Substances List (DSL)
ECSI EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC Inventory of Existing Chemical Substances Produced or Imported in China
REACH Reg. REACH registered substances
TSCA Toxic Substance Control Act

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
2.1	Classification according to Regulation (EC) No 1272/2008 (CLP)	Classification according to Regulation (EC) No 1272/2008 (CLP): This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.	yes
2.1		Classification according to Regulation (EC) No 1272/2008 (CLP): change in the listing (table)	yes
2.2	- Signal word:	- Signal word:	yes

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	warning	not required	
2.2	- Pictograms	- Pictograms: not required	yes
2.2		- Pictograms: change in the listing (table)	yes
2.2		- Hazard statements: change in the listing (table)	yes
2.2		- Precautionary statements: change in the listing (table)	yes
2.2	- Hazardous ingredients for labelling: Polysulfides, di-tert-dodecyl, Naphthenic acids, zinc salts		yes
2.2		- Supplemental hazard information: change in the listing (table)	yes
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.	yes
3.2		Hazardous ingredients acc. to GHS: change in the listing (table)	yes
4.1	General notes: Do not leave affected person unattended. Remove victim out of the danger area. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.	General notes: Remove victim out of the danger area. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.	yes
5.2	Hazardous combustion products: Carbon monoxide (CO), Carbon dioxide (CO ₂)		yes
6.4	Reference to other sections: Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.	Reference to other sections: Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.	yes
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
9.1	Lower and upper explosion limit: not determined		yes
10.2	Chemical stability: See below "Conditions to avoid".	Chemical stability: The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.	yes
10.5	Incompatible materials: Oxidisers	Incompatible materials: There is no additional information.	yes
11.1	Classification according to GHS (1272/2008/EC, CLP)	Classification according to GHS (1272/2008/EC, CLP): This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.	yes
11.1	Respiratory or skin sensitisation: May cause an allergic skin reaction.	Respiratory or skin sensitisation: The classification criteria for these hazard classes are not met.	yes
12.5	Results of PBT and vPvB assessment: Data are not available.	Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.	yes
12.6	Endocrine disrupting properties: None of the ingredients are listed.	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a	yes

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		concentration of $\geq 0,1\%$.	
15.1		Dangerous substances with restrictions (REACH, Annex XVII): change in the listing (table)	yes
15.1		Regulation on the marketing and use of explosives precursors: none of the ingredients are listed	yes
15.1		Regulation on drug precursors: none of the ingredients are listed	yes

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
AGW	Workplace exposure limit
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DFG	Deutsche Forschungsgemeinschaft MAK-und BAT-Werte-Liste, Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Wiley-VCH, Weinheim
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LGK	Lagerklasse (storage class according to TRGS 510, Germany)
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals

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RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
SVHC	Substance of Very High Concern
TRGS	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany)
TRGS 900	Arbeitsplatzgrenzwerte (TRGS 900)
TWA	Time-weighted average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.