



Safety Data Sheet

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

Bitumex R

Version number: GHS 1.0

Date of compilation: 2018-02-20

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

1.1 Product identifier

Trade name

Bitumex R

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

Relevant identified uses

To be used cool. For outdoor use.
Primer for concrete and plaster surfaces, to be used under the insulation .

Uses advised against

not determined

1.3 Details of the supplier of the safety data sheet

Icopal Sp. z o.o.
ul. Łaska 169/197
98-220 Zduńska Wola
Poland

Telephone: +48 / 043 823 41 11
e-mail: kch.pl@icopal.com
Website: www.icopal.pl

1.4 Emergency telephone number

Emergency information service

National Poisons Information Service (NPIS): For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.6	flammable liquid	Cat. 3	(Flam. Liq. 3)	H226
3.2	skin corrosion/irritation	Cat. 2	(Skin Irrit. 2)	H315
3.8D	specific target organ toxicity - single exposure (narcotic effects, drowsiness)	Cat. 3	(STOT SE 3)	H336
3.10	aspiration hazard	Cat. 1	(Asp. Tox. 1)	H304
4.1C	hazardous to the aquatic environment - chronic hazard	Cat. 2	(Aquatic Chronic 2)	H411

Remarks

For full text of H-phrases: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources. Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

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

Signal word

Danger

Pictograms

GHS02, GHS07,
GHS08, GHS09



Hazard statements

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Precautionary statements - prevention

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - response

- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Precautionary statements - storage

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Precautionary statements - disposal

- P501 Dispose of contents/container in accordance with local regulation.

Hazardous ingredients for labelling: Naphtha (petroleum), hydrodesulfurized heavy

2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Notes
Asphalt, oxidized	CAS No 64742-93-4 EC No 265-196-4 REACH Reg. No 01-2119498270-36-xxxx	50 - < 75	not classified	OEL



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Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Notes
Naphtha (petroleum), hydrodesulfurized heavy	CAS No 64742-82-1 EC No 265-185-4 Index No 649-330-00-2 REACH Reg. No 01-2119490979-12-xxxx	25 - < 50	Flam. Liq. 2 / H225 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H411	P(b) **

Notes

**:
OEL:
P(b):

Contains <0,1% of benzene, <3% of toluene and <3% of n-hexane
Substance with a national occupational exposure limit value
The classification as a carcinogen or mutagen is not required. The substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7)

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

Remove person to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

Following skin contact

Take off contaminated clothing. Remove the residues of the product with liquid paraffin or edible oil. Wash skin with water and soap or mild detergent. Remove contaminated/soaked clothes to safe place away from heat and sources of ignition.

Following eye contact

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

Following ingestion

Rinse mouth with water (only if the person is conscious). Conscious victim can drink 100-200 ml of liquid paraffin. Do not give milk or edible oils to drink. Do NOT induce vomiting - aspiration hazard. In case of spontaneous vomiting the victim should lean forward to prevent aspiration. Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Narcotic effects. Description of known symptoms following exposure, if relevant - see section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.



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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

water spray, water mist, foam, fire extinguishing powder, carbon dioxide (CO₂), sand

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Flammable. Do not use water jets - the risk of splash. Closed containers exposed to fire or high temperature can explode due to increased pressure inside. Cool closed containers exposed to fire with water spray. Solvent vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Hot product may adhere to skin or clothes.

Hazardous combustion products

carbon monoxide (CO), carbon dioxide (CO₂), fumes

5.3 Advice for firefighters

Fire fighting crew should be adequately trained and equipped with self-contained breathing apparatus and full protective clothing. Fight fire with normal precautions from a reasonable distance. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Do not breathe vapours. Wear protective clothing. The solvent contained in the mixture evaporates easily -ensure adequate ventilation. Eliminate all sources of ignition. Vapors of the solvent are heavier than air, they can form an explosive mixture with air. Vapors may spread along the floor and reach distant ignition sources.

6.2 Environmental precautions

Keep away from drains, surface and ground water. If substance has entered a water course or sewer, inform the responsible authority. Collect contaminated soil and dispose of it.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Bunding. Covering of drains.

Advices on how to clean up a spill

Do not flush with water. Cover with non-combustible absorbent material. (kieselgur (diatomite), sand, vermiculite, universal binder). Collect to labelled, closed waste container and remove for disposal.

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Ventilate affected area.

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.



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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. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only non-sparking tools.

• Warning

Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Protect from sunlight.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure easy access to fire fighting measures in the place of use and storage.

7.3 Specific end use(s)

Data are not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

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]	Source
GB	asphalt (petroleum)	8052-42-4	WEL				10	EH40/2005

Notation

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

Relevant DNELs/DMELs/PNECs and other threshold levels

• relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Asphalt, oxidized	64742-93-4	DNEL	2.9 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	DNEL	1,300 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	DNEL	840 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects



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Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	DNEL	1,100 mg/m ³	human, inhalatory	worker (industry)	acute - local effects

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

If there is a risk of splash wear eye/face protection.

Skin protection

• hand protection

Wear suitable gloves. Protective gloves should be replaced immediately if damaged or in case of signs of wear.

• type of material

IIR: isobutene-isoprene (butyl) rubber, Nitrile, Viton, Neoprene

• other protection measures

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

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Full face mask/half mask/quarter mask (EN 136/140). Type: A (against organic gases and vapours with a boiling point of > 65 °C, colour code: Brown).

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

Appearance

Physical state liquid
Colour black
Odour weak, characteristic for organics

Other physical and chemical parameters

pH (value) not determined
Melting point/freezing point not determined
Initial boiling point and boiling range >130 °C
Flash point >31 °C (closed cup)
Evaporation rate not determined
Flammability (solid, gas) not relevant
Explosive limits not determined
Vapour pressure not determined
Density not determined
Relative density 0.92 – 0.94 at 20 °C (water = 1)
Solubility(ies) Petroleum solvents
Water solubility insoluble



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Partition coefficient	
n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	not determined
Viscosity	
• kinematic viscosity	200 mm ² /s at 25 °C
Explosive properties	none (not one)
Oxidising properties	none (not one)

9.2 Other information

Data are lacking.

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

• if heated

risk of ignition

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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

strong oxidisers - strong acids - strong bases

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.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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)

Acute toxicity

Shall not be classified as acutely toxic.

• Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Asphalt, oxidized	64742-93-4	oral	LD50	>5,000 mg/kg	rat
Asphalt, oxidized	64742-93-4	dermal	LD50	>2,000 mg/kg	rabbit
Asphalt, oxidized	64742-93-4	inhalation: vapour	LC50	>94.4 mg/m ³ /4h	rat



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Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	oral	LD50	>5,000 mg/kg	rat
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	dermal	LD50	>2,000 mg/kg	rabbit
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	inhalation: vapour	LC50	>5,160 mg/m ³ /4h	rat

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity (STOT)

• Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

• Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

• If swallowed

abdominal pain, nausea

• If in eyes

if splashed into an eye it may cause mechanical irritation of the cornea, conjunctival suffusion

• If inhaled

In case of prolonged exposure narcotic effects are possible: psychomotor agitation, severe headache, vertigo, nausea, narcosis, deficits in perception and coordination, reaction time, or sleepiness, loss of consciousness.

• If aspirated

pneumonia, varying degrees of pulmonary injury

• If on skin

localised redness, irritation, scaling, has degreasing effect on the skin, repeated exposure may cause skin dryness or cracking



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SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute)

Test data are not available for the complete mixture.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Asphalt, oxidized	64742-93-4	LL50	>1,000 mg/l	rainbow trout	96 h
Asphalt, oxidized	64742-93-4	EL50	>1,000 mg/l	algae	72 h
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	LL50	8.2 mg/l	fish	96 h
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	EL50	4.5 mg/l	aquatic invertebrates	48 h
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	EL50	3.1 mg/l	algae	72 h

Aquatic toxicity (chronic)

May cause long-term adverse effects in the aquatic environment.

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Asphalt, oxidized	64742-93-4	NOAEL	>1,000 mg/l	daphnia magna	21 d
Asphalt, oxidized	64742-93-4	NOAEL	>1,000 mg/l	rainbow trout	28 d
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	NOEC	2.6 mg/l	daphnia magna	21 d
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	NOAEL	2.6 mg/l	fathead minnow (Pimephales promelas)	14 d

Biodegradation

Naphtha (petroleum), hydrodesulfurized heavy: the substance is readily biodegradable

Asphalt: no data available - UVCB substance

12.2 Persistence and degradability

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time	Notes
Asphalt, oxidized	64742-93-4	biotic/abiotic		d	hydrolysis - not relevant, photolysis - not relevant
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	biotic/abiotic	>74 %	28 d	



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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

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

12.6 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Do not store at landfill sites. Recommended way of disposal: incineration in special waste incinerators.

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.

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	1993
14.2	UN proper shipping name Hazardous ingredients	FLAMMABLE LIQUID, N.O.S. Naphtha (petroleum), hydrodesulfurized heavy
14.3	Transport hazard class(es) Class	3 (flammable liquids)
14.4	Packing group	III (substance presenting low danger)
14.5	Environmental hazards	hazardous to the aquatic environment: (Naphtha (petroleum), hydrodesulfurized heavy)
14.6	Special precautions for user Provisions for dangerous goods (ADR) should be complied within the premises.	
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code The cargo is not intended to be carried in bulk.	

Information for each of the UN Model Regulations

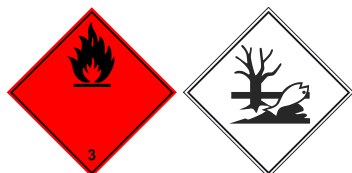
• Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

UN number	1993
Proper shipping name	FLAMMABLE LIQUID, N.O.S.
Class	3
Classification code	F1
Packing group	III
Danger label(s)	3 + "fish and tree"

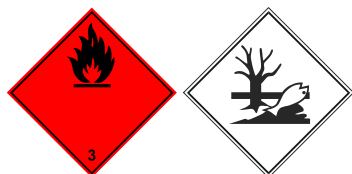
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Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	274, 601
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restriction code (TRC)	D/E
Hazard identification No	30
Emergency Action Code	3YE
• International Maritime Dangerous Goods Code (IMDG)	
UN number	1993
Proper shipping name	FLAMMABLE LIQUID, N.O.S.
Class	3
Marine pollutant	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	3 + "fish and tree"



Special provisions (SP)	223, 274, 955
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, <u>S-E</u>
Stowage category	A
• International Civil Aviation Organization (ICAO-IATA/DGR)	
UN number	1993
Proper shipping name	Flammable liquid, n.o.s.
Class	3
Environmental hazards	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	3



Special provisions (SP)	A3
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L



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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**

None of the ingredients are listed.

- **List of substances subject to authorisation (REACH, Annex XIV)**

None of the ingredients are listed.

- **SVHC substances included in the Candidate List according to article 59 p. 10 of REACH**

None of the ingredients are listed.

- **Limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products (2004/42/EC, Deco-Paint Directive)**

VOC content 370,4 g/l

15.2 Chemical Safety Assessment

The Chemical Safety Assessment is not required for the mixture.

SECTION 16: Other information

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 européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
Asp. Tox.	Aspiration hazard
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
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)
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Flam. Liq.	Flammable liquid
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



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Abbr.	Descriptions of used abbreviations
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
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
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
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
TWA	Time-weighted average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

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 chapter 2 and 3)

Code	Text
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.



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Disclaimer

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