

WAX AMBER

Creation date 14. March 2019

Revision date Version 1.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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Substance / mixture

mixture

Number

1 35441

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

Mixture's intended use

Protective coating.

Mixture uses advised against

For professional use only.

1.3. Details of the supplier of the safety data sheet**Supplier**

Name or trade name

RETECH, s.r.o.

Address

Vackova 1541/4, Praha 5 - Stodůlky, 155 00

Czech Republic

Identification number (CRN)

25018205

Phone

+420327596428

E-mail

info@retech.cz

Web address

www.retech.com

Competent person responsible for the safety data sheet

Name

RETECH, s.r.o.

E-mail

info@retech.cz

1.4. Emergency telephone number

RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic; Telephone number: +420 327 596 128 (7.30-16.00 hour)

Poisoning information centre, Na Bojišti 1, Praha, Czech Republic, Tel.: non-stop +420 224 919 293 or +420 224 915 402, Information on health risks only - acute poisoning of humans and animals.

SECTION 2: Hazards identification**2.1. Substance or mixture classification****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, H336

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 drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

2.2. Label elements**Hazard pictogram****Signal word**

Warning

Hazardous substances

Naphtha (petroleum), hydrodesulfurized heavy

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Hazard statements

H226 Flammable liquid and vapour.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P243 Take action to prevent static discharges.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container to in accordance with national regulations.

Supplemental information

EUH 066 Repeated exposure may cause skin dryness or cracking.
 Density 0.87 g/cm³
 VOC 46.2 %
 Dry matter 53.8 % volume
 VOC limit value cat. B (e) : 840 g/l
 Max. VOC content in the product in its ready to use condition 402.1 g/l

2.3. Other hazards

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: 64742-82-1 EC: 265-185-4 Registration number: 01-2119458049-33	Naphtha (petroleum), hydrosulfurized heavy	25-50	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H332 STOT SE 3, H336 Aquatic Chronic 2, H411	
CAS: 64742-48-9 EC: 265-150-3 Registration number: 01-2119463258-33	Naphtha (petroleum), hydrotreated heavy	1-5	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336	

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

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

Inhalation

In the event of issues, find medical advice.

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Skin contact

Wash the affected area with plenty of water, lukewarm if possible. Provide medical treatment if skin irritation persists.

Eye contact

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. In the event of issues, find medical advice.

Ingestion

Provide medical treatment if the person has any health problems.

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

May cause drowsiness or dizziness.

Skin contact

not available

Eye contact

not available

Ingestion

not available

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

not available

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, sand, powder.

Unsuitable extinguishing media

Water. Water - full jet.

5.2. Special hazards arising from the substance or mixture

not available

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide sufficient ventilation. Use personal protective equipment for work. Keep unprotected persons away.

6.2. Environmental precautions

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

6.3. Methods and material for containment and cleaning up

Provide sufficient ventilation. 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. Do not flush with water or aqueous cleansing agents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Keep away from sources of heating, ignition and direct sunlight. No smoking. Take precautionary measures against static discharge.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

Storage class

3A - Flammable liquids (flash point below 55 °C)

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

none

DNEL

Naphtha (petroleum), hydrodesulfurized heavy

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	330 mg/m ³	Systemic chronic effects	
Workers	Dermal	44 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	71 mg/m ³	Systemic chronic effects	
Consumers	Dermal	26 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	26 mg/kg bw/day	Systemic chronic effects	

Naphtha (petroleum), hydrotreated heavy

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	871 mg/m ³	Systemic chronic effects	
Consumers	Inhalation	900 mg/m ³	Systemic acute effects	
Workers	Dermal	208 mg/kg bw/day	Systemic chronic effects	
Consumers	Dermal	125 mg/kg bw/day	Systemic acute effects	
Consumers	Oral	125 mg/kg bw/day	Systemic acute effects	

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. 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. Do not inhale gases and vapours. Do not inhale aerosols.

Eye/face protection

Tightly sealed goggles.

Skin protection

Hand protection: Protective gloves resistant to the product. Material of gloves: Nitrile rubber, NBR. Recommended thickness of the material: ≥ 0.12 mm. Penetration time of glove material: > 480 min. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other protection: protective workwear.

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Respiratory protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Thermal hazard

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**

Appearance

Physical state

liquid at 20°C

color

amber

Odour

characteristic

Odour threshold

data not available

pH

data not available

Melting point/freezing point

data not available

Initial boiling point and boiling range

130 °C

Flash point

39 °C

Evaporation rate

data not available

Flammability (solid, gas)

Flammable liquid and vapour.

Upper/lower flammability or explosive limits

flammability limits

data not available

explosive limits

bottom

0.6 %

upper

7.0 %

Vapour pressure

3.7 hPa at 20 °C

Vapour density

data not available

Relative density

data not available

Solubility(ies)

solubility in water

almost insoluble

solubility in fats

data not available

Partition coefficient: n-octanol/water

data not available

Auto-ignition temperature

data not available

Decomposition temperature

data not available

Viscosity

30 s

Explosive properties

The product does not have explosive properties but can be explosive when blended with air.

Oxidising properties

data not available

data not available

9.2. Other information

Density

0.87 g/cm³ at 20 °C

ignition temperature

200 °C

content of organic solvents (VOC)

46.2 %

solid content (dry matter)

53.8 % volume

VOC limit value

cat. B (e) : 840 g/l

Max. VOC content in the product in its ready to use condition

402.1 g/l

Product is not selfigniting.

SECTION 10: Stability and reactivity**10.1. Reactivity**

not available

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10.2. Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

not available

10.5. Incompatible materials

not available

10.6. Hazardous decomposition products

In the event of fire, carbon monoxide, carbon dioxide may arise.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

Naphtha (petroleum), hydrodesulfurized heavy

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	>5000 mg/kg		Rat	
Dermal	LD ₅₀	>3400 mg/kg		Rabbit	
Inhalation	LC ₅₀	13.1 mg/l	4 hour	Rat	

Naphtha (petroleum), hydrotreated heavy

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	>5000 mg/kg		Rat	
Dermal	LD ₅₀	>3000 mg/kg		Rat	

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 drowsiness or dizziness.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

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Aspiration hazard

Based on available data the classification criteria are not met.

SECTION 12: Ecological information**12.1. Toxicity****Acute toxicity**

Toxic to aquatic life with long lasting effects.

Naphtha (petroleum), hydrodesulfurized heavy

Parameter	Value	Time of exposure	Species	Environment
EC ₅₀	10-30 mg/l	96 hour	Fishes	
EC ₅₀	10-22 mg/l	48 hour	Daphnia (Daphnia magna)	
EC ₅₀	4.6-10 mg/l	72 hour	Algae	

12.2. Persistence and degradability

Data not available.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

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. Other adverse effects

Ecotoxicological effects: Remark: Toxic for fish

Additional ecological information:

General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste.

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 dangerous substances

Packaging waste type code

15 01 10 packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information**14.1. UN number**

UN 1139

14.2. UN proper shipping name

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14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

III - substances presenting low danger

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS.

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not available

Additional information

Transport classification ADR/IMDG is based on packaging >30ltr(IMDG), <450ltr(ADR). For other packaging units different classification can apply. See ADR 2.2.3.1.3/ 2.2.3.1.4 and IMDG 2.3.2.3 / 2.3.2.5.

Hazard identification No.

30

(Kemler Code)

UN number

1139

Classification code

F1

Safety signs

3+dangerous for the environment


Road transport - ADR

Special provision

640E

Limited quantities

5 L

Transport category

3

Tunnel restriction code

(D/E)

Marine transport - IMDG

Hazard initiator

Naphtha (petroleum), hydrodesulfurized heavy

EmS (emergency plan)

F-E, S-E

Marine Pollutant

Yes

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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.
H304	May be fatal if swallowed and enters airways.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

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Guidelines for safe handling used in the safety data sheet

- | | |
|----------------|--|
| P102 | Keep out of reach of children. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P243 | Take action to prevent static discharges. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to in accordance with national regulations. |

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

- | | |
|---------|---|
| EUH 066 | 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 |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| DNEL | Derived no-effect level |
| EC | Identification code for each substance listed in EINECS |
| EC ₅₀ | Concentration of a substance when it is affected 50% of the population |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EmS | Emergency plan |
| EU | European Union |
| IATA | International Air Transport Association |
| IBC | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals |
| IC ₅₀ | Concentration causing 50% blockade |
| 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 |
| LOAEC | Lowest observed adverse effect concentration |
| LOAEL | Lowest observed adverse effect level |
| log K _{ow} | Octanol-water partition coefficient |
| 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 |
| OEL | Occupational Exposure Limits |
| PBT | Persistent, Bioaccumulative and Toxic |

SAFETY DATA SHEET

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

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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
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
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Acute Tox.	Acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment
Asp. Tox.	Aspiration hazard
Flam. Liq.	Flammable liquid
STOT SE	Specific target organ toxicity - single exposure

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.

The changes (which information has been added, deleted or modified)

2, 3, 8, 11, 12, 15, 16

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.