

WAX UNDERCOATING BLACK SPRAY

Creation date

04th August 2022

Revision date

Version

2.0

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

WAX UNDERCOATING BLACK SPRAY

Substance / mixture

mixture

Number

1 35435

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

VAT Reg No

CZ25018205

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

European emergency number: 112

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.

Aerosol 1, H222, H229

Skin Irrit. 2, H315

Aquatic Chronic 3, H412

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

Most serious adverse physico-chemical effects

Extremely flammable aerosol. Pressurised container: May burst if heated.

Most serious adverse effects on human health and the environment

Causes skin irritation. Harmful to aquatic life with long lasting effects.

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

Danger

Hazard statements

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H315

Causes skin irritation.

H412

Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET

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

WAX UNDERCOATING BLACK SPRAY

Creation date

04th August 2022

Revision date

Version

2.0

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe spray.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to in accordance with national regulations.

Supplemental information

EUH066	Repeated exposure may cause skin dryness or cracking.
Density	0,682 g/cm ³ at 20 °C (DIN 51757)
VOC	75,1 %
Dry matter	20,9 % volume
VOC limit value	cat. B (e) : 840 g/l
Max. VOC content in the product in its ready to use condition	538,8 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), hydrodesulfurized heavy	10-<25	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H332 STOT SE 3, H336 Aquatic Chronic 2, H411	
Index: 601-003-00-5 CAS: 74-98-6 EC: 200-827-9	propane	10-<25	Flam. Gas 1, H220 Press. Gas, H280	
CAS: 64742-49-0 EC: 265-151-9	Naphtha (petroleum), hydrotreated light	10-<25	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
CAS: 106-97-8 EC: 203-448-7	butane	10-<25	Flam. Gas 1, H220 Press. Gas, H280	
CAS: 75-28-5 EC: 200-857-2	isobutane	10-<25	Flam. Gas 1, H220 Press. Gas, H280	
CAS: 67-56-1 EC: 200-659-6	methanol	<1	Flam. Liq. 2, H225 Acute Tox. 3, H301, H311, H331 STOT SE 1, H370 Specific concentration limit: STOT SE 1, H370: C ≥ 10 % STOT SE 2, H371: 3 % ≤ C < 10 %	1

Notes

1 Substance with a Union workplace exposure limit.

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

WAX UNDERCOATING BLACK SPRAY

Creation date

04th August 2022

Revision date

Version

2.0

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.

If inhaled

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

If on skin

Immediately wash with water and soap and rinse thoroughly. In the event of issues, find medical advice.

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. In the event of issues, find medical advice.

If swallowed

Provide medical treatment if the person has any health problems.

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

not available

If on skin

Causes skin irritation.

If in eyes

not available

If swallowed

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, powder, water spray jet. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media

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

Prevent contamination of the soil and entering surface or ground water. 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.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SAFETY DATA SHEET

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

WAX UNDERCOATING BLACK SPRAY

Creation date

04th August 2022

Revision date

Version

2.0

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Use only outdoors or in a well-ventilated area. Take precautionary measures against static discharge. Do not spray on an open flame or other ignition source. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. No smoking. Pressurised container: May burst if heated. Keep away from sources of heating, ignition and direct sunlight. Do not pierce or burn, even after use.

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. Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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.

European Union

Commission Directive 2006/15/EC

Substance name (component)	Type	Value	Note
methanol (CAS: 67-56-1)	OEL 8 hours	260 mg/m ³	Skin
	OEL 8 hours	200 ppm	

DNEL

methanol

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	8 mg/kg bw/day	Systemic acute effects		
Consumers	Oral	8 mg/kg bw/day	Systemic chronic effects		
Consumers	Dermal	8 mg/kg bw/day	Systemic acute effects		
Workers	Dermal	40 mg/kg bw/day	Systemic acute effects		
Consumers	Dermal	8 mg/kg bw/day	Systemic chronic effects		
Workers	Dermal	40 mg/kg bw/day	Systemic chronic effects		
Workers	Inhalation	260 mg/m ³	Local acute effects		
Consumers	Inhalation	50 mg/m ³	Local acute effects		
Consumers	Inhalation	50 mg/m ³	Systemic acute effects		
Workers	Inhalation	260 mg/m ³	Systemic acute effects		
Consumers	Inhalation	50 mg/m ³	Local chronic effects		
Workers	Inhalation	260 mg/m ³	Local chronic effects		
Consumers	Inhalation	50 mg/m ³	Systemic chronic effects		
Workers	Inhalation	260 mg/m ³	Systemic chronic effects		

SAFETY DATA SHEET

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

WAX UNDERCOATING BLACK SPRAY

Creation date

04th August 2022

Revision date

Version

2.0

Naphtha (petroleum), hydrodesulfurized heavy

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
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		

PNEC

methanol

Route of exposure	Value	Value determination	Source
Freshwater environment	154 mg/l		
Seawater	15.4 mg/l		
Sea sediments	570.4 mg/kg of dry substance of sediment		
Water (intermittent release)	1540 mg/l		
Microorganisms in wastewater treatment plants	100 mg/l		
Soil (agricultural)	23.5 mg/kg of dry substance of sediment		

8.2. Exposure controls

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. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear.

Respiratory protection

In case of inadequate ventilation wear 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	gas
Colour	black
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	-44 °C
Flammability	Extremely flammable aerosol.
Lower and upper explosion limit	
bottom	0,6 %
upper	10,9 %

WAX UNDERCOATING BLACK SPRAY

Creation date	04th August 2022	Version	2.0
Revision date			

Flash point	<0 °C (DIN 53213)
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	7 (undiluted at 20 °C)
Kinematic viscosity	data not available
Viscosity	4000 mPa.s at 20 °C
Solubility in water	almost insoluble
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	8300 hPa at 20 °C
Vapour pressure	10800 hPa at 30 °C
Density and/or relative density	
Density	0,682 g/cm ³ at 20 °C (DIN 51757)
Form	aerosol dispenser: spray aerosol
data not available	

9.2. Other information

Evaporation rate	data not available
Ignition temperature	200 °C
Explosive properties	The product does not have explosive properties but can be explosive when blended with air.
Content of organic solvents (VOC)	75,1 %
Solid content (dry matter)	20,9 % volume (DIN 53216)
VOC limit value	cat. B (e) : 840 g/l
Max. VOC content in the product in its ready to use condition	538,8 g/l
Product is not selfigniting.	

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

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

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

butane

Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Inhalation	LC ₅₀	658 mg/l		Rat		Literary studies

methanol

Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀	13000 mg/kg		Rat		

SAFETY DATA SHEET

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

WAX UNDERCOATING BLACK SPRAY

Creation date

04th August 2022

Revision date

Version

2.0

Naphtha (petroleum), hydrodesulfurized heavy

Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
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 light

Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀	> 5000 mg/kg		Rat		
Dermal	LD ₅₀	> 2600 mg/kg		Rabbit		
Inhalation	LC ₅₀	> 193 mg/l	4 hour	Rat		

Skin corrosion/irritation

Causes skin irritation.

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

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on 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.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Harmful to aquatic life with long lasting effects.

Naphtha (petroleum), hydrodesulfurized heavy

Parameter	Value	Exposure time	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	

Naphtha (petroleum), hydrotreated light

Parameter	Value	Exposure time	Species	Environment
EC ₅₀	10 mg/l	48 hour	Algae (Phaeophyta)	

12.2. Persistence and degradability

Data not available.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

WAX UNDERCOATING BLACK SPRAY

Creation date

04th August 2022

Revision date

Version

2.0

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. 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

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.

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 hazardous substances *

Packaging waste type code

15 01 11 metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers *

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

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

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

2 Gases

14.4. Packing group

not relevant

14.5. Environmental hazards

Product contains environmentally hazardous substances: naphtha (petroleum), hydrodesulphurized heavy

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

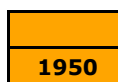
Additional information

Hazard identification No.

UN number

Classification code

Safety signs



5F

2.1



SAFETY DATA SHEET

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

WAX UNDERCOATING BLACK SPRAY

Creation date	04th August 2022	Version	2.0
Revision date			

Road transport - ADR

Limited quantities	1 L
Transport category	2
Tunnel restriction code	(D)

Railway transport - RID

Marine transport - IMDG

Hazard initiator	TURPENTINE SUBSTITUTE, Naphtha (petroleum), hydrotreated light
EmS (emergency plan)	F-D, S-U
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

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs.
H371	May cause damage to organs.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P211	Do not spray on an open flame or other ignition source.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with national regulations.
P260	Do not breathe spray.
P332+P313	If skin irritation occurs: Get medical advice/attention.

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

EUH066	Repeated exposure may cause skin dryness or cracking.
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Other important information about human health protection

WAX UNDERCOATING BLACK SPRAY

Creation date

04th August 2022

Revision date

Version

2.0

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 ₅₀	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
ES	Identification code for each substance listed in EINECS
EU	European Union
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
log K _{ow}	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution from Ships
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
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
Aerosol	Aerosol
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
Press. Gas	Gases under pressure
Skin Irrit.	Skin irritation
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

SAFETY DATA SHEET

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

WAX UNDERCOATING BLACK SPRAY

Creation date

04th August 2022

Revision date

Version

2.0

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)

The version 2.0 replaces the SDS version from 17 January 2017. Changes were made in sections 11, 12, 13, 15 and 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.