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Reviewed on:	<b>WAX UNDERCOATING BROWN</b>	Version: 1.0

**1. Section 1. Identification of the substance/mixture and of the company/undertaking:**

- 1.1. Product identifier:  
Trade name: **WAX UNDERCOATING BROWN**  
Product code: **1 35439 (canister)**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:  
Uses of the mixture: Protective coating.  
For professional and industrial use only.  
Uses advised against: Not known.
- 1.3. Details of the supplier of the safety data sheet:  
Identification of manufacturer/Supplier:  
RETECH, s.r.o.  
Vackova 1541/4  
150 00 Praha 5 - Stodůlky  
Czech Republic  
Telephone number/Fax: +420 327 596 128, +420 327 596 428  
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)  
Toxikologické informační středisko (Toxicology Information Centre),  
Na bojišti 1, 128 08 PRAHA 2, Czech Republic  
Telephone number: +420 224 919 293, +420 224 915 402 (24 hours a day)

**2. Section 2. Hazard identification:**

- 2.1. Classification of the substance or mixture:  
Classification according to Regulation (EC) No 1272/2008 [CLP]:  
Flam. Liq. 3 H226 Flammable liquid and vapour.  
STOT SE 3 H336 May cause drowsiness or dizziness.

- 2.2. Label elements:  
Labelling according to Regulation (EC) No 1272/2008 [CLP]:



Signal Word: Warning

Hazard Statements:  
H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.

Precautionary Statements:  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take precautionary measures against static discharge.  
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/shower.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with national regulation.

Supplemental Hazard information (EU):  
EUH066 Repeated exposure may cause skin dryness or cracking.

Contained dangerous substances:  
64742-82-1 Naphtha (petroleum), hydrotreated heavy

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- 2.3. Other hazards:  
Results of PBT and vPvB assessment:  
PBT: Not applicable.  
vPvB: Not applicable.

**3. Section 3. Composition/information on ingredients:**

- 3.2. Mixtures:  
Description of the mixture: Mixture of active ingredients

Hazardous ingredients:

CAS: 64742-82-1 EC-No.: 919-857-5 Reg. No.: 01-2119463258-33	Naphtha (petroleum), hydrotreated heavy (contains < 0.1 % benzene) Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	25 -< 50 %
CAS: 61789-77-3 EC-No.: 263-087-6 Reg. No.: 01-2119486994-16	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302	< 1 %

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

**4. Section 4. First aid measures:**

- 4.1. Description of first aid measures:  
General notes: When in doubt or if symptoms are observed, get medical advice.  
After inhalation: Move affected person to fresh air.  
After skin contact: Take off immediately all contaminated clothing.  
Wash with water and soap and rinse thoroughly.  
If skin irritation occurs, get medical attention.  
After eye contact: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do.  
Get medical attention if any discomfort continues.  
After swallowing: Get medical attention if any discomfort continues.
- 4.2. Most important symptoms and effects, both acute and delayed:  
No further relevant information available.
- 4.3. Indication of any immediate medical attention and special treatment needed:  
No further relevant information available.

**5. Section 5. Firefighting measures:**

- 5.1. Extinguishing media:  
Suitable extinguishing agents: Carbon dioxide (CO<sub>2</sub>), fire-extinguishing powder, water spray.  
Fight larger fires with water spray or alcohol resistant foam.  
Unsuitable extinguishing agents: Water with full jet.
- 5.2. Special hazards arising from the substance or mixture:  
No further relevant information available.
- 5.3. Advice for firefighters:  
Wear protective clothing and self-contained breathing apparatus.  
Cool endangered receptacles with water spray.

**6. Section 6. Accidental release measures:**

- 6.1. Personal precautions, protective equipment and emergency procedures:  
Wear protective equipment see Section 8.  
Keep unprotected persons away.  
Ensure adequate ventilation.
- 6.2. Environmental precautions:  
Do not allow to enter sewers, surface or ground water.  
Prevent seepage into sewage system, workpits and cellars.
- 6.3. Methods and material for containment and cleaning up:  
Ensure adequate ventilation.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

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- 6.4. Reference to other sections: Dispose contaminated material as waste according to Section 13.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7. Section 7. Handling and storage:

- 7.1. Precautions for safe handling:  
Protective measures: Wear protective equipment see Section 8.  
Ensure good ventilation/exhaustion at the workplace.  
Use only in well ventilated areas.  
Measures to prevent fire: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Protect against electrostatic charges.
- 7.2. Conditions for safe storage, including any incompatibilities:  
Requirements for storage rooms and vessels: Store in well sealed receptacles.  
Technical measures and storage conditions: No special measures are necessary.  
Further information on storage conditions: No further relevant information available.
- 7.3. Specific end use(s): No further relevant information available.

### 8. Section 8. Exposure controls/personal protection:

- 8.1. Control parameters:  
Components with limit values that require monitoring at the workplace:  
WEL (United Kingdom): EH40/2005  
Contains no substances with occupational exposure limit values.  
OEL: 2000/39/EG, 2006/15/EG, 2009/161/EG  
Contains no substances with occupational exposure limit values.  
DNEL:  
919-857-5 Naphtha (petroleum), hydrotreated heavy

Inhalation	Chronic effects systemic	871 mg/m <sup>3</sup>	Workers
	Chronic effects systemic	185 mg/m <sup>3</sup>	Consumers
Dermal	Chronic effects systemic	208 mg/kg Body weight/day	Workers
	Chronic effects systemic	125 mg/kg Body weight/day	Consumers
Oral	Chronic effects systemic	125 mg/kg Body weight/day	Consumers

Additional information: The lists that were valid during the compilation were as basis.

- 8.2. Exposure controls:  
Technical measures to prevent exposure: Ensure good ventilation/exhaustion at the workplace.
- General protective measures: Take off immediately all contaminated clothing.  
Wash hands before breaks and at the end of work.
- Personal protection equipment:  
Respiratory protection: In case of brief exposure or low pollution use respiratory filter device.  
Filter: A  
In case of intensive or longer exposure use self-contained respiratory protective device.
- Eye protection: Tightly sealed goggles.  
Hand protection: Protective gloves  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.  
Nitrile rubber

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Recommended thickness of the material:  $\geq 0.12$  mm  
 Penetration time of glove material: > 480 min.  
 The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.  
 Skin protection: Protective suit.

**9. Section 9. Physical and chemical properties:**

9.1. Information on basic physical and chemical properties:

Form: Fluid.  
 Colour: Brown.  
 Odour: Characteristic.  
 Odour threshold: Not determined.  
 Value pH at 20 °C: Not determined.  
 Melting point/freezing point: Not determined.  
 Initial boiling point/boiling range: 130 °C  
 Flash point: 37 °C (DIN 53213)  
 Evaporation rate: Not determined.  
 Flammability (solid, gas): Not determined.  
 Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.  
 Explosive limits:  
 – lower: 0.6 Vol %  
 – upper: 7.0 Vol %  
 Vapour pressure at 20 °C: 3 hPa  
 Vapour pressure at 50 °C: 15 hPa  
 Vapour density at 20 °C: Not determined.  
 Density at 20 °C: 0.86 g/cm<sup>3</sup> (DIN 51757)  
 Relative density: Not determined.  
 Solubility in/miscibility with: Water: Not miscible or difficult to mix.  
 Partition coefficient (n-octanol/water): Not determined.  
 Ignition temperature: > 200 °C  
 Decomposition temperature: Not determined.  
 Self-ignition temperature: Product is not selfigniting.  
 Viscosity at 20 °C (dynamic): 350 mPa.s  
 Oxidising properties: Not determined.

9.2. Other information:

Organic solvent: 48.1 %  
 Solid content: 51.9 % (DIN 53216)  
 VOC (EU): 48.07 %  
 VOC (EU): 413.4 g/l

**10. Section 10. Stability and reactivity:**

10.1. Reactivity: No further relevant information available.  
 10.2. Chemical stability: No decomposition if used according to specifications.  
 10.3. Possibility of hazardous reactions:  
 No dangerous reactions known.  
 10.4. Conditions to avoid: No further relevant information available.  
 10.5. Incompatible materials: No further relevant information available.  
 10.6. Hazardous decomposition products:  
 Carbon monoxide (CO).

**11. Section 11. Toxicological information:**

11.1. Information on toxicological effects:

Acute toxicity: Based on available data, the classification criteria are not met.

## Safety Data Sheet

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919-857-5 Naphtha (petroleum), hydrotreated heavy

Oral	LD50 rat	> 5000 mg/kg
Dermal	LD50 rabbit	> 5000 mg/kg
Inhalative	LC50/4 h rat	> 4951 mg/l

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 sensitization: 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.  
 Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.  
 Specific target organ toxicity - repeated exposure: Based on available data, the classification criteria are not met.  
 Aspiration hazard: Based on available data, the classification criteria are not met.  
 Other information: No further relevant information available.


### 12. Section 12. Ecological information:

- 12.1. Toxicity:  
 Aquatic toxicity: No further relevant information available.
- 12.2. Persistence and degradability: No further relevant information available.
- 12.3. Bioaccumulative potential: No further relevant information available.
- 12.4. Mobility in soil: No further relevant information available.  
 Ecotoxic effects:  
 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, even in small quantities.  
 Danger to drinking water if even extremely small quantities leak into the ground.
- 12.5. Results of PBT and vPvB assessment:  
 PBT: Not applicable.  
 VPvB: Not applicable.
- 12.6. Other adverse effects: No further relevant information available.

### 13. Section 13. Disposal considerations:

- 13.1. Waste treatment methods:  
 Product disposal: Must not be disposed together with household garbage.  
 Do not allow product to reach sewage system.  
 European Waste Catalogue: 08 01 11\* waste paint and varnish containing organic solvents or other hazardous substances  
 (\*hazardous waste)
- Packagings disposal: Disposal must be made according to official regulations.  
 European Waste Catalogue: 15 01 10\* packaging containing residues of or contaminated by hazardous substances  
 (\*hazardous waste)
- Other disposal recommendations: Disposal must be made according to official regulations.  
 The final decisions on the appropriate waste management method, in line with regional, national and European legislation, and possible adaptation to local conditions, remains the responsibility of the waste treatment operator.

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<b>14. Section 14. Transport information:</b>	
14.1. UN number:	
ADR, RID, ADN	Void (according to 2.2.3.1.5)
IMDG, IATA	UN 1139
14.2. UN proper shipping name:	
ADR, RID, ADN	Void.
IMDG, IATA	COATING SOLUTION
14.3. Transport hazard class(es):	
ADR, RID, ADN	Void.
IMDG, IATA	
Class	3 Flammable liquids.
Hazard label	3
14.4. Packing group:	
ADR, RID, ADN	Void.
IMDG, IATA	III
14.5. Environmental hazards:	
Marine pollutant:	No
14.6. Special precautions for user:	
EMS:	F-E, <u>S-E</u>
Stowage Category:	A
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:	Not applicable.
Transport/Additional information:	Transport classification ADR/IMDG is based on packaging > 30 ltr (IMDG), < 450 ltr (ADR). For other packaging units different classification can apply. See ADR 2.2.3.1.3/ 2.2.3.1.4 und IMDG 2.3.2.3 / 2.3.2.5
IMDG	
Limited quantities (LQ):	5L
Excepted quantities (EQ):	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	Void.

<b>15. Section 15. Regulatory information:</b>	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:	
Used legislation:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH) Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, as amended (CLP) Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended Commission Decision 2000/532/EC establishing a list of wastes, as amended Council Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment, as amended Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values Commission Directive 2006/15/EC establishing a second list of indicative occupational exposure limit values Commission Directive 2009/161/EU establishing a third list of indicative occupational exposure limit values Directive 2004/42/CE of the European Parliament and of the Council on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC, as amended

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EU limit for this product is (Cat. B/e): 840 g/l (2007).  
This product contains max. 413.4 g/l VOC.

15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**16. Section 16. Other information:**

Relevant H-statements (Section 3):

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DIN: Deutsches Institut für Normung e.V. (DIN; in English, the German Institute for Standardization)

DNEL: Derived No-Effect Level

EC50: Median effective concentration to 50% of a population

EC-Number: EINECS and ELINCS Number

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

LC50: Median concentration lethal to 50 % of a test population

LD50: Median dose lethal to 50 % of a test population

PBT: Persistent, Bioaccumulative, Toxic

PNEC: Predicted No-Effect Concentration

Reg. No.: Registration number

VOC: Volatile Organic Compounds

vPvB: Very Persistent, Very Bioaccumulative

WEL: Workplace exposure limits

Acute Tox. 4: Acute toxicity, category 4

Aquatic Acute 1: Hazardous to the aquatic environment, category 1

Aquatic Chronic 2: Hazardous to the aquatic environment, category 2

Asp. Tox. 1: Aspiration hazard, category 1

Flam. Liq. 3: Flammable liquid, category 3

Skin Corr. 1: Skin corrosion, category 1

STOT SE 3: Specific target organ toxicity — single exposure, category 3

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**\*Compared to the last version the data has been changed.**