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

- 1.1. Product identifier: **WAX AMBER – 1 35441**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:
Application of the substance / the mixture: Protection spray
- 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
Telephone/Fax: +420 327 596 128, +420 327 596 428
Information: info@retech.cz
- 1.4. Emergency telephone number: RETECH Suchdol 212, Suchdol u Kutné Hory
Tel. +420 327 596 128 (7.30-16.00 hour)
Toxicology information number, Na bojišti 1, 128 08 PRAHA 2
Tel. +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.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
STOT SE 3 H336 May cause drowsiness or dizziness.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC:
N Dangerous for the environment R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R10 Flammable.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and 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.
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 precautionary measures against static discharge.
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/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:
EUH066 Repeated exposure may cause skin dryness or cracking.

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

- 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 agents

Hazardous ingredients:

CAS: 64742-82-1 EC number: 919-446-0 Reg.nr.: 01-2119458049-33	Naphtha (petroleum), hydrodesulfurized heavy (containing < 0.1 % benzene) R10; Xn R65; N R51/53; R66; R67 Flam. Liq. 2, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Acute Tox. 4, H332; STOT SE 3, H336	25-<50 %
CAS: 64742-48-9 EINECS: 265-150-3 Reg.nr.: 01-2119463258-33	Naphtha (petroleum), hydrotreated heavy (containing < 0.1 % benzene) R10; Xn R65; R66; R67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	1-<5 %

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

4. Section 4. First aid measures:

- 4.1. Description of first aid measures:
After inhalation: Move the exposed person to fresh air at once.
After skin contact: Wash with water and soap and rinse thoroughly.
Get medical attention if any discomfort continues.
After eye contact: Rinse opened eye for several minutes under running water.
Get medical attention if any discomfort continues.
After swallowing: Do not induce vomiting.
Call for a doctor immediately.
- 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. Fire fighting measures:

- 5.1. Extinguishing media:
Suitable extinguishing agents: Carbon dioxide (CO₂), extinguishing powder or sand. Do not use water.
For safety reasons unsuitable extinguishing agents:
Water, 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 sewage system, 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:
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal

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6.4.	Reference to other sections:	binders, sawdust). Do not flush with water or aqueous cleansing agents. 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: Measures to prevent fire:	Ensure good ventilation/exhaustion at the workplace. Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
7.2.	Conditions for safe storage including any incompatibilities: Technical measures and storage conditions: Requirements for storage rooms and vessels: Further information on storage conditions:	No special requirements. No special requirements. Keep receptacle tightly sealed. Protect from heat and direct sunlight.
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: DNELs:	
	64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy	
	Oral Chronic effects systemic	26 mg/kg bw/day (General population)
	Dermal Chronic effects systemic	26 mg/kg bw/day (General population)
	Inhalative Chronic effects systemic	44 mg/kg bw/day (Worker)
	Inhalative Chronic effects systemic	71 mg/m ³ (General population)
	Inhalative Chronic effects systemic	330 mg/m ³ (Worker)
	64742-48-9 Naphtha (petroleum), hydrotreated heavy	
	Oral Acute effects systemic	125 mg/kg bw/day (General population)
	Dermal Acute effects systemic	125 mg/kg bw/day (General population)
	Dermal Chronic effects systemic	208 mg/kg bw/day (Worker)
	Inhalative Acute effects systemic	900 mg/m ³ (General population)
	Inhalative Chronic effects systemic	871 mg/m ³ (Worker)
	Additional information: The lists that were valid during the compilation were as basis.	
8.2.	Exposure controls: Measures to prevent exposure: Personal protection equipment: Breathing equipment: Eye protection: Protection of hands: Protection of skin:	Ensure good ventilation/exhaustion at the workplace. Wash hands before breaks and at the end of work. Do not inhale gases/ fumes/ aerosols. 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. Tightly sealed goggles Protective gloves Material of gloves: Nitrile rubber The selection of the suitable gloves does not only depend on the material, but also on further marks of quality. 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. 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. Protective suit.

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9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Appearance:	
Form:	Fluid
Colour:	Brown
Odour:	Characteristic
Odour threshold:	Not determined
Value pH:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point/boiling range:	130 °C
Flash point:	39 °C (DIN 53213)
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not applicable
Explosive properties:	The product is not explosive. However, formation of explosive air/steam mixtures is possible.
Explosive limits:	
– lower:	0.6 Vol %
– upper:	7.0 Vol %
Vapour pressure at 20°C:	3.7 hPa
Vapour pressure at 50°C:	15 hPa
Vapour density at 20 °C:	Not determined
Density at 20°C:	0.87 g/cm ³ (DIN 51757)
Relative density:	Not determined
Solubility in/miscibility with:	
– water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	
Ignition temperature:	200 °C
Decomposition temperature:	Not determined
Self-igniting:	The product is not selfigniting.
Viscosity:	
Dynamic:	Not determined
Kinematic:	30 s (DIN 53211/4)
Oxidising properties:	Not determined

9.2. Other information:

VOC (EU):	402.1 g/l
VOC (EU):	46.22 %
VOCV:	46.22 %
Solids content:	53.8 % (DIN 53216)
Organic solvents:	46.2 %

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:

LD/LC50 values relevant for classification:

CAS		LD50 Oral, rat [mg/kg]	LD50 Dermal, [mg/kg]	LC50 Inhalative, Rat [mg/l/4h]
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	> 5000	3400 (rabbit)	13.1

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64742-48-9 Naphtha (petroleum), hydrotreated heavy > 5000 >3000 (rat)

Irritation: Skin: No irritating effect.
Eyes: No irritating effect.
Corrosivity: Not corrosive.
Sensitization: No sensitizing effect known.
Repeated dose toxicity: No further relevant information available.
Carcinogenicity: No further relevant information available.
Mutagenicity: No further relevant information available.
Toxicity for reproduction: No further relevant information available.
Other information: Vapours may cause drowsiness and dizziness.

12. Section 12. Ecological information:

12.1. Toxicity:
Aquatic toxicity:
64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy
EC50/48h 10-22 mg/l (DAPHNIA MAGNA)
EC50/72h 4.6-10 mg/l (ALGAE)
EC50/96 h 10-30 mg/l (Fish)

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: 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

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: Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Dispose in safe manner in accordance with local/national regulation.
Uncleaned packagings: Disposal must be made according to official regulations.

14. Section 14. Transport information:

14.1. UN number:
ADR, IMDG, IATA UN1139




14.2. UN proper shipping name:
ADR 1139 COATING SOLUTION, ENVIRONMENTALLY HAZARDOUS, special provision 640E
IMDG COATING SOLUTION (TURPENTINE SUBSTITUTE), MARINE POLLUTANT
IATA COATING SOLUTION

14.3. Transport hazard class(es):
ADR

Class 3 Flammable liquids
Hazard label 3



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IMDG		
Class	3 Flammable liquids	
Hazard label	3	
IATA		
Class	3 Flammable liquids	
Hazard label	3	
14.4. Packing group:	III	
ADR, IMDG, IATA	III	
14.5. Environmental hazards:	Product contains environmentally hazardous substances: Naphtha (petroleum), hydrodesulfurized heavy	
Marine pollutant:	Yes	
Special parking (ADR):	Symbol (fish and tree)	
14.6. Special precautions for user:	Warning: Flammable liquids	
Danger Code (Kemler):	30	
EMS Number:	F-E, <u>S-E</u>	
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable	
Transport/ Additional information:	Transport classification ADR/IMDG is based on packaging > 30ltr (IMDG), <450ltr (ADR). For other packaging units different classification can be applied. See ADR 2.2.3.1.3/ 2.2.3.1.4 und IMDG 2.3.2.3/2.3.2.5	
ADR	ADR	
Limited quantities (LQ)	5L	
Transport category	3	
Tunnel restriction code	D/E	
UN "Model Regulation":	UN1139 COATING SOLUTION, special provision 640E, 3, III, ENVIRONMENTALLY HAZARDOUS	

15. Section 15. Regulatory information:
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 (REACH), as amended Directive 67/548/EEC and Directive 1999/45/EC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances, as amended Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP), as amended Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended
Technical instructions (air):
Class Share in %
NK 46.2
15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Section 16. Other information:
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.
Relevant R-phrases and H-statements (Section 3):
R10 Flammable.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: May cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

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R67 Vapours may cause drowsiness and dizziness.
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.

Abbreviations and acronyms:

ADR Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG International Maritime Code for Dangerous Goods
IATA International Air Transport Association
ICAO International Civil Aviation Organization
GHS Globally Harmonized System of Classification and Labelling of Chemicals
EINECS European Inventory of Existing Commercial Chemical Substances
CAS Chemical Abstracts Service (division of the American Chemical Society)
OEL Occupational Exposure Limit
WEL Workplace exposure limits
BMGV Biological monitoring guidance values
STEL Short-term exposure limit
TWA Time-Weighted Average
EC50 Effective concentration, 50 percent
LC50 Lethal concentration, 50 percent
LD50 Lethal dose, 50 percent
DNEL Derived No-Effect Level
PNEC Predicted No-Effect Concentration
LOEC Lowest Observed Effect Concentration
NOEC No Observed Effect Concentration
PBT Persistent Bioaccumulative Toxic
vPvB Very Persistent, Very Bioaccumulative
VOC Volatile Organic Compounds
MAL-Code Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

The product is labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

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