

Date of issue: 21/02/2017	Trade name:	Page: 1/9
Reviewed on:	WAX UNDERCOATING BROWN SPRAY	Version: 2.0

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

- 1.1. Product identifier:
Trade name: **WAX UNDERCOATING BROWN SPRAY**
Product code: **1 35436**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:
Uses of the mixture: Protective spray.
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]:
Aerosol 1 H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
Skin Irrit. 2 H315 Causes skin irritation.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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



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.

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.
P251 Do not pierce or burn, even after use.
P211 Do not spray on an open flame or other ignition source.
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 in accordance with national regulation.

Supplemental Hazard information (EU):

EUH066 Repeated exposure may cause skin dryness or cracking.

Date of issue: 21/02/2017	Trade name:	Page: 2/9
Reviewed on:	WAX UNDERCOATING BROWN SPRAY	Version: 2.0

- 2.3. Other hazards:
Buildup of explosive mixtures possible without sufficient ventilation.
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 with propellant

Hazardous ingredients:

CAS: 64742-82-1 EC-No.: 919-446-0 Reg. No.: 01-2119458049-33	Naphtha (petroleum), hydrodesulfurized heavy (containing < 0.1 % benzene) Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336; Acute Tox. 4, H332; Aquatic Chronic 2, H411	10 -< 25 %
CAS: 74-98-6 EINECS: 200-827-9	Propane Press. Gas, H280; Flam Gas 1, H220	10 -< 25 %
CAS: 64742-49-0 EC-No.: 921-024-6 Reg. No.: 01-2119475514-35	Naphtha (petroleum), hydrotreated light (contains < 0,1 % benzene) Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	10 -< 25 %
CAS: 106-97-8 EINECS: 203-448-7	Butane (containing < 0.1 % butadiene) Press. Gas, H280; Flam Gas 1, H220	10 -< 25 %
CAS: 75-28-5 EINECS: 200-857-2	Isobutane (containing < 0.1 % butadiene) Press. Gas, H280; Flam Gas 1, H220	10 -< 25 %
CAS: 67-56-1 EINECS: 200-659-6	Methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370	< 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: 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 (CO₂), 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.

Safety Data Sheet

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

Date of issue: 21/02/2017	Trade name:	Page: 3/9
Reviewed on:	WAX UNDERCOATING BROWN SPRAY	Version: 2.0

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.

6.2. Environmental precautions: Do not allow to enter sewers, 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 liquid components with liquid-binding material.
Dispose contaminated material as waste according to Section 13.

6.4. Reference to other sections: 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.
Open and handle receptacle with care.
Use only in well ventilated areas.
Measures to prevent fire: Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away. Do not smoke.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights.
Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities:
Requirements for storage rooms and vessels:
Store in cool, dry conditions in well sealed receptacles.
Observe official regulations on storing packagings with pressurized containers.
Technical measures and storage conditions:
Store in a cool place.
Observe official regulations on storing packagings with pressurized containers.
Further information on storage conditions:
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:
WEL (United Kingdom): EH40/2005

CAS	Substance	Long-term (8-hr TWA ref. period)		Short-term (15 minute ref. period)		Comments
		ppm	mg/m ³	ppm	mg/m ³	
106-97-8	Butane	600	1450	750	1810	Carc, (only applies if Butane contains more than 0.1 % of buta-1,3-diene)
67-56-1	Methanol	200	266	250	333	Skin

OEL: 2000/39/EG, 2006/15/EG, 2009/161/EG

CAS	Name of agent	Eight hours		Short-term		Notation
		ppm	mg/m ³	ppm	mg/m ³	
67-56-1	Methanol	200	260	-	-	Skin

Safety Data Sheet

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

Date of issue: 21/02/2017	Trade name:	Page: 4/9
Reviewed on:	WAX UNDERCOATING BROWN SPRAY	Version: 2.0

DNEL:

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

Inhalation	Chronic effects systemic	330 mg/m ³	Workers
	Chronic effects systemic	71 mg/m ³	Consumers
Dermal	Chronic effects systemic	44 mg/kg Body weight/day	Workers
	Chronic effects systemic	26 mg/kg Body weight/day	Consumers
Oral	Chronic effects systemic	26 mg/kg Body weight/day	Consumers

67-56-1 Methanol

Inhalation	Chronic effects systemic	260 mg/m ³	Workers
	Chronic effects systemic	50 mg/m ³	Consumers
	Chronic effects local	260 mg/m ³	Workers
	Chronic effects local	50 mg/m ³	Consumers
	Acute effects systemic	260 mg/m ³	Workers
	Acute effects systemic	50 mg/m ³	Consumers
	Acute effects local	260 mg/m ³	Workers
	Acute effects local	50 mg/m ³	Consumers
Dermal	Chronic effects systemic	40 mg/kg Body weight/day	Workers
	Chronic effects systemic	8 mg/kg Body weight/day	Consumers
	Acute effects systemic	40 mg/kg Body weight/day	Workers
	Acute effects systemic	8 mg/kg Body weight/day	Consumers
Oral	Chronic effects systemic	8 mg/kg Body weight/day	Consumers
	Acute effects systemic	8 mg/kg Body weight/day	Consumers

PNEC

67-56-1 Methanol

Freshwater	154 mg/l
Marine water	15.4 mg/l
Intermittent releases	1540 mg/l
Sewage treatment plant	100 mg/l
Sediment (freshwater)	1540 mg/kg
Sediment (marine water)	570.4 mg/kg
Soil	23.5 mg/kg

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: Wash hands before breaks and at the end of work.

Do not inhale gases/fumes/aerosols.

Personal protection equipment:

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.

Eye protection:

Tightly sealed goggles.

Hand protection:

Not required.

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

Recommended thickness of the material: ≥ 0.12 mm

Penetration time of glove material: > 480 min.

Date of issue: 21/02/2017	Trade name:	Page: 5/9
Reviewed on:	WAX UNDERCOATING BROWN SPRAY	Version: 2.0

Skin protection: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Protective suit.

9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Form: Aerosol.
 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: -44 °C
 Flash point: < 0 °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: 10.9 Vol %
 Vapour pressure at 20 °C: 8300 hPa
 Vapour pressure at 30 °C: 10800 hPa
 Vapour density at 20 °C: Not determined.
 Density at 20 °C: 0.704 g/cm³ (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: 3750 mPa.s
 Oxidising properties: Not determined.

9.2. Other information:

Organic solvent: 77.6 %
 Solid content: 22.1 % (DIN 53216)
 VOC (EU): 80.81 %
 VOC (EU): 569,3 g/l
 VOCV: 77.62 %

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

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

Date of issue: 21/02/2017	Trade name:	Page: 6/9
Reviewed on:	WAX UNDERCOATING BROWN SPRAY	Version: 2.0

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

Oral	LD50 rat	> 5000 mg/kg
Dermal	LD50 rabbit	3400 mg/kg
Inhalative	LC50/4 h rat	13.1 mg/l

64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50 rat	> 5000 mg/kg
Dermal	LD50 rabbit	> 2600 mg/kg
Inhalative	LC50/4 h rat	> 193 mg/l

106-97-8 Butane

Inhalative	LC50/4 h rat	658 mg/l
------------	--------------	----------

67-56-1 Methanol

Oral	LD50 rat	13000 mg/kg
------	----------	-------------

Skin corrosion/irritation:	Causes skin irritation.
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:	Based on available data, the classification criteria are not met.
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: Harmful to aquatic life with long lasting effects.

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

Fish:	EC50/96 h	10 – 30 mg/l
Invertebrates:	EC50/48 h Daphnia magna	10 – 22 mg/l
Algae:	EC50/72 h	4.6 - 10 mg/l

64742-49-0 Naphtha (petroleum), hydrotreated light

Algae:	EC50/48 h Phaeophyta	10 mg/l
--------	----------------------	---------

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 disposal: Must not be disposed together with household garbage.
Do not allow product to reach sewage system.

Date of issue: 21/02/2017	Trade name:	Page: 7/9
Reviewed on:	WAX UNDERCOATING BROWN SPRAY	Version: 2.0

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

14. Section 14. Transport information:

- 14.1. UN number:
ADR, IMDG, IATA UN 1950
- 14.2. UN proper shipping name:
ADR UN 1950 AEROSOLS
IMDG AEROSOLS (TURPENTINE SUBSTITUTE, Naphtha (petroleum), hydrotreated light), MARINE POLLUTANT
IATA AEROSOLS, flammable
- 14.3. Transport hazard class(es):
ADR
- Class 2 5 F Gases
Hazard label 2.1
IMDG
- Class 2.1
Hazard label 2.1
IATA
- Class 2.1
Hazard label 2.1
IATA
- 14.4. Packing group:
ADR, IMDG, IATA Void.
- 14.5. Environmental hazards:
The product contains environmentally hazardous substances:
Naphtha (petroleum), hydrodesulfurized heavy
Marine pollutant: Yes
Symbol (fish and tree)
- Special marking (ADR): Symbol (fish and tree)
- 14.6. Special precautions for user: Warning: Gases
EMS: F-D, S-U
Danger Code (Kemler): -
- 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:
Not applicable.
- Transport/ Additional information:
ADR
Limited quantities (LQ): 1L
Transport category: 2
Tunnel restriction code: D
UN "Model Regulation": UN 1950, AEROSOLS, 2.1

Date of issue: 21/02/2017	Trade name:	Page: 8/9
Reviewed on:	WAX UNDERCOATING BROWN SPRAY	Version: 2.0

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, 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

EU limit for this product is (Cat. B/e): 840 g/l (2007).

This product contains max. 569,3 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):

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

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.

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)

BMGV: Biological monitoring guidance values

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

DNEL: Derived No-Effect Level

EC50: Median effective concentration to 50% of a population

EC-No.: 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

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative, Toxic

PNEC: Predicted No-Effect Concentration

Safety Data Sheet

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

Date of issue: 21/02/2017	Trade name:	Page: 9/9
Reviewed on:	WAX UNDERCOATING BROWN SPRAY	Version: 2.0

Reg. No.: Registration number
VOC: Volatile Organic Compounds
vPvB: Very Persistent, Very Bioaccumulative
WEL: Workplace exposure limits
Acute Tox. 3: Acute toxicity, category 3
Acute Tox. 4: Acute toxicity, category 4
Aerosol 1: Flammable aerosol, category 1
Aquatic Chronic 2: Hazardous to the aquatic environment, category 2
Asp. Tox. 1: Aspiration hazard, category 1
Flam. Gas 1: Flammable gas, category 1
Flam. Liq. 2: Flammable liquid, category 2
Flam. Liq. 3: Flammable liquid, category 3
Press. Gas: Gases under pressure
Skin Irrit. 2: Skin irritation, category 2
STOT SE 1: Specific target organ toxicity — single exposure, 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.**