

Date of issue: 01/09/2016	Trade name:	Page: 1/7
Reviewed on:	EASY RUSTY OIL	Version: 1.0

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

- 1.1. Product identifier:
Trade name: **EASY RUSTY OIL**
Product code: **1 20004**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:
Uses of the mixture: Realeser of rusty joints
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
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. Aerosol 1 H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
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.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
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.
P273 Avoid release to the environment.
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: 01/09/2016	Trade name:	Page: 2/7
Reviewed on:	EASY RUSTY OIL	Version: 1.0

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

3. Section 3. Composition/information on ingredients:

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

Hazardous ingredients:

CAS: 64742-48-9 EC nr.: 918-481-9 Reg.nr.: 01-2119457273-39	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha (containing < 0,1 % benzene) Asp. Tox. 1, H304	25 - 50 %
CAS: 109-66-0 EINECS: 203-692-4 Reg.nr.: 01-2119459286-30	Pentane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	12.5 - 20 %
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	Propane Flam. Gas 1, H220; Press. Gas, H280	5 - 10 %
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	Butane (containing < 0.1 % butadiene) Flam. Gas 1, H220; Press. Gas, H280	5 - 10 %
CAS: 75-28-5 EINECS: 200-857-2	Isobutane (containing < 0.1 % butadiene) Flam. Gas 1, H220; Press. Gas, H280	5 - 10 %

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.
Consult a doctor in case of symptoms.
After skin contact: Wash with plenty of water and soap and rinse thoroughly.
Generally the product does not irritate the skin.
After eye contact: Rinse opened eye for several minutes under running water.
Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical attention if any discomfort continues.
After swallowing: Rinse mouth immediately and drink large quantities of water.
Immediately call a doctor.
- 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 water spray.
Fight larger fires with water spray or alcohol resistant foam.
Unsuitable extinguishing agents: Water jet.
- 5.2. Special hazards arising from the substance or mixture:
No further relevant information available.
- 5.3. Advice for firefighters:
No special requirements.
Wear protective clothing and self-contained breathing apparatus.

6. Section 6. Accidental release measures:

- 6.1. Personal precautions, protective equipment and emergency procedures:
Wear protective equipment, see Section 8.

Safety Data Sheet

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

Date of issue: 01/09/2016	Trade name:	Page: 3/7
Reviewed on:	EASY RUSTY OIL	Version: 1.0

6.2.	Environmental precautions:	<p>Ensure adequate ventilation. Keep away from ignition source.</p> <p>Do not allow to enter sewage system, surface or ground water. Inform respective authorities in case product reaches water course or sewage system.</p>																									
6.3.	Methods and material for containment and cleaning up:	<p>Ensure adequate ventilation. Dispose contaminated material as waste according to Section 13.</p>																									
6.4.	Reference to other sections:	<p>See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.</p>																									
7. Section 7. Handling and storage:																											
7.1.	Precautions for safe handling:																										
	Protective measures:	<p>No special requirements. Wear protective equipment, see Section 8. Ensure good ventilation/exhaustion at the workplace.</p>																									
	Measures to prevent fire:	<p>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.</p>																									
7.2.	Conditions for safe storage, including any incompatibilities:																										
	Requirements for storage rooms and vessels:	<p>Store in a cool place. Observe official regulations on storing packagings with pressurized containers.</p>																									
	Technical measures and storage conditions:	<p>Observe official regulations on storing packagings with pressurized containers.</p>																									
	Further information on storage conditions:	<p>Protect from heat and direct sunlight.</p>																									
7.3.	Specific end use(s):	<p>No further relevant information available.</p>																									
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																										
		<table border="1"> <thead> <tr> <th rowspan="2">CAS</th> <th rowspan="2">Substance</th> <th colspan="2">Long-term (8-hr TWA ref. period)</th> <th colspan="2">Short-term (15 minute ref. period)</th> <th rowspan="2">Comments</th> </tr> <tr> <th>ppm</th> <th>mg/m³</th> <th>ppm</th> <th>mg/m³</th> </tr> </thead> <tbody> <tr> <td>109-66-0</td> <td>Pentane</td> <td>600</td> <td>1800</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>106-97-8</td> <td>Butane</td> <td>600</td> <td>1450</td> <td>750</td> <td>1810</td> <td>Carc, (only applies if Butane contains more than 0.1 % of buta-1,3-diene)</td> </tr> </tbody> </table>	CAS	Substance	Long-term (8-hr TWA ref. period)		Short-term (15 minute ref. period)		Comments	ppm	mg/m ³	ppm	mg/m ³	109-66-0	Pentane	600	1800	-	-	-	106-97-8	Butane	600	1450	750	1810	Carc, (only applies if Butane contains more than 0.1 % of buta-1,3-diene)
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	Additional information: The lists that were valid during the compilation were as basis.																										
8.2.	Exposure controls:																										
	Technical measures to prevent exposure:	<p>Ensure good ventilation/exhaustion at the workplace.</p>																									
	General protective measures:	<p>Wash hands before breaks and at the end of work. Do not inhale gas/vapours/spray.</p>																									
	Personal protection equipment:																										
	Respiratory protection:	<p>Not required. Ensure good ventilation/exhaustion at the workplace.</p>																									
	Eye protection:	<p>Not required.</p>																									
	Hand protection:	<p>Protective gloves The glove material must be impermeable and resistant against the product/substance/preparation.</p>																									

Date of issue: 01/09/2016	Trade name:	Page: 4/7
Reviewed on:	EASY RUSTY OIL	Version: 1.0

Skin protection: The final selection of the glove material must be carried out on the basis of penetration times, permeation rates and degradation.
Protective clothing.

9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Form: Aerosol
 Colour: Grey
 Odour: Characteristic
 Odour threshold: Not determined
 Value pH at 20 °C: Not determined
 Melting point/freezing point: Not determined
 Initial boiling point/boiling range: Not determined
 Flash point: < 0 °C
 Evaporation rate: Not determined
 Flammability (solid, gas): Not determined
 Explosive properties: The product is not explosive. However, formation of explosive air/steam mixtures is possible.
 Explosive limits:
 – lower: 0.6 Vol %
 – upper: 8.0 Vol %
 Vapour pressure at 20°C: 3500 hPa
 Vapour density at 20 °C: Not determined
 Density at 20°C: 0.713 g/cm³
 Relative density: Not determined
 Solubility in/miscibility: Water: Not miscible or difficult to mix.
 Partition coefficient (n-octanol/water): Not determined
 Ignition temperature: 240 °C
 Decomposition temperature: Not determined
 Self-ignition temperature: The product is not selfigniting.
 Viscosity: Not determined
 Oxidising properties: Not determined

9.2. Other information:

VOC (EU): 499.1 g/l
 Organic solvent: 70.0 %
 Solid content: 1.4 %

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: No dangerous decomposition products known.

11. Section 11. Toxicological information:

11.1. Information on toxicological effects:

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

Relevant hazards for substance:

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	rat	> 15000 mg/kg
Dermal	LD50	rabbit	> 3000 mg/kg

Safety Data Sheet

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

Date of issue: 01/09/2016	Trade name:	Page: 5/7
Reviewed on:	EASY RUSTY OIL	Version: 1.0

Inhalative	LC50/4h	rat	> 4951	mg/m ³
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109-66-0 Pentane

Oral	LD50	rat	> 16000	mg/kg
Dermal	LD50	rat	> 2500	mg/kg
	LD50	rabbit	> 5000	mg/kg
Inhalative	LC50/4h	rat	> 100	mg/m ³

106-97-8 Butane

Inhalative	LC50/4h	rat	658000	mg/m ³
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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.
 STOT-single exposure: Based on available data, the classification criteria are not met.
 STOT-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.

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Fish:	LC50/96h	Pimephales promelas	> 100	mg/l
Invertebrates:	LC50/96h	Daphnia magna	> 100	mg/l

109-66-0 Pentane

Fish:	LC50/96h		1 – 10	mg/l
Invertebrates:	EC50/48h	Daphnia magna	9.7	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.

Additional ecological information:

Ecotoxic effects: Remark: Harmful for fish.

General notes: Water danger class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow to enter water courses, ground water or drains in undiluted and/or large quantities.

Harmful to aquatic life with long lasting effects.

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: Incineration is the recommended method of disposal.
 Must not be disposed together with household garbage.
 Do not allow product to reach sewage system.

European Waste Catalogue:
 16 03 05* organic wastes containing 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

Safety Data Sheet

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

Date of issue: 01/09/2016	Trade name:	Page: 6/7
Reviewed on:	EASY RUSTY OIL	Version: 1.0

(*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
IATA AEROSOLS, flammable
- 14.3. Transport hazard class(es):
ADR
- Class 2.5F Gases

Hazard label 2.1

IMDG
- Class 2.1

Hazard label 2.1

IATA
- Class 2.1

Hazard label 2.1
- 14.4. Packing group:
ADR, IMDG, IATA Void.
- 14.5. Environmental hazards:
Marine pollutant: Nein
- 14.6. Special precautions for user: Warning: Gases
EMS Number: F-D, S-U
Danger Code (Kemler): -
- 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:
Not applicable
- ADR
- Limited quantities (LQ) 1L
- Transport category 2
- Tunnel restriction code: D
- UN "Model Regulation": UN 1950 AEROSOLS, 2.1

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

Date of issue: 01/09/2016	Trade name:	Page: 7/7
Reviewed on:	EASY RUSTY OIL	Version: 1.0

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

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.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- 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)
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- 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
- Reg.nr.: Registration number
- vPvB: Very Persistent, Very Bioaccumulative
- WEL: Workplace exposure limits
- Aquatic Chronic 2: Hazardous to the aquatic environment, category 2
- Asp. Tox. 1: Aspiration hazard, category 1
- Flam. Aerosol 1: Flammable aerosol, category 1
- Flam. Gas 1: Flammable gas, category 1
- Flam. Liq. 2: Flammable liquid, category 2
- Press. Gas: Gases under pressure
- Skin Irrit. 2: Skin irritation, category 2
- 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.**