

Date of issue: 16.04.2011	Trade name:	Page: 1/7
Reviewed on:	RUSTY OIL	Version: 1.0



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

- 1.1. Product identifier : **RUSTY OIL - R 34610 (spray)**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against: Releaser of rusty joints
- 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:

- The product is labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
The classification is in line with current EC lists, It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- 2.1. Classification of the substance or mixture:
Classification according to Regulation (EC) No 1272/2008:
Flam. Aerosol 1 H222 Extremely flammable aerosol.
STOT SE 3 H336 May cause drowsiness or dizziness.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC:
F+ Extremely flammable R12 Extremely flammable.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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:
- | | |
|---|---|
| GHS02 | GHS07 |
|  |  |
| DANGER | WARNING |
- H222 Extremely flammable aerosol.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Date of issue: 16.04.2011	Trade name:	Page: 2/7
Reviewed on:	RUSTY OIL	Version: 1.0

Labelling according to Directive 1999/45/EC:



Extremely flammable

R12 Extremely flammable.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Special labeling of certain preparations:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition.- No smoking. Keep out of reach of children.

2.3. Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

Buildup of explosive mixtures possible without sufficient ventilation.

3. Section 3. Composition/information on ingredients:

3.2. Mixtures:

Description: The active ingredient in propellants

Dangerous components:

CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy; (contains less than 0.1% benzene) Xn R65; R66 GHS08 Asp. Tox.1, H304; EUH066	25-50%
CAS: 109-66-0 EINECS: 203-692-4	Pentane F+ R12; N R51/53; Xn R65; R66 R67 GHS02 Flam. Liq. 2, H225; GHS08 Asp. Tox. 1, H304; GHS09 Aquatic Chronic 2, H411; STOT SE 3, H336; EUH066	12,5-20%
CAS: 74-98-6 EINECS: 200-827-9	Propane F+ R12 GHS02 Flam. Gas 1, H220; GHS04 Press. Gas, H280	5-10%
CAS: 106-97-8 EINECS: 203-448-7	Butane (containing <0,1% butadiene (203-450-8)) F+ R12 GHS02 Flam. Gas 1, H220; GHS04 Press. Gas, H280	5-10%
CAS: 75-28-5 EINECS: 200-857-2	Isobutane F+ R12 GHS02 Flam. Gas 1, H220; GHS04 Press. Gas, H280	5-10%

Additional information: For the wording of the listed risk phrases refer to section 16.

4. Section 4. First aid measures:

4.1. Description of first aid measures:

After inhalation: Supply fresh air; consult doctor in case of symptoms.

After skin contact: Remove soaked clothing; Wash with water and soap.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

Date of issue: 16.04.2011	Trade name:	Page: 3/7
Reviewed on:	RUSTY OIL	Version: 1.0

After swallowing: Rinse mouth; Do not induce vomiting; Consult a physician.
Most important symptoms and effects, both acute and delayed: No further relevant information available.
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: CO₂, extinguishing powder or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents: Water jet.
- 5.2. Special hazards arising from the substance or mixture:
In case of fire CO may be possible.
- 5.3. Advice for firefighters: Wear protective equipment/clothing when fighting fires.
Aerosols may explode when overheated.
Cool the container with water.

6. Section 6. Accidental release measures:

- 6.1. Personal precautions, protective equipment and emergency procedures:
Wear protective equipment see Section 8.2. Keep unprotected person away. Ensure adequate ventilation, keep away from ignition sources.
- 6.2. Environmental precautions:
Do not allow to enter drainage system, surface or ground water.
Inform respective authorities in case product reaches water 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 binders, sawdust).
Dispose of 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. Information for safe handling: Ensure good ventilation/exhaustion at the workplace.
Information about protection against explosions and fires: Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C.
Do not open by force or throw into fire even after use.
Do not spray on flames or red-hot objects.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- 7.2. Conditions for safe handling, including any incompatibilities:
Requirements to be met by storerooms and containers: Store in cool location.
Observe official regulations on storing packaging with pressurized containers.
Information about storage in one common storage facility: Observe official regulations on storing packaging with pressurized containers.
Further information about storage conditions: Store in cool, dry conditions.
Protect from heat and direct sunlight.
- 7.3. Specific end use(s): No further relevant information available.

8. Section 8. Exposure controls and personal protection:

- 8.1. Control parameters:
Components with limit values that require monitoring at the workplace:
MAC-values:
106-97-8 butane (containing < 0.1% butadiene (203-450-8))
WEL Short-term value: 1810 mg/m³, 750 ppm

Date of issue: 16.04.2011	Trade name:	Page: 4/7
Reviewed on:	RUSTY OIL	Version: 1.0

	Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1,3-diene)
	74-98-6 Propane
	WEL Short-term value: 3600 mg/cm ³ , 2000 ppm Long-term value: 1800 mg/m ³ , 1000 ppm
	109-66-0 Pentane – Long-term value: 3000 mg/cm ³ , 1000 ppm
	Additional information: The lists that were valid during the compilation were as basis.
8.2	Exposure controls:
	Eye protection: Safety goggles if there is a risk of contact.
	Breathing equipment: Not required, but ensure adequate ventilation when using the product.
	Protection of hands: Protective gloves.
	Protection of skin: Working suit.
8.3.	General protective and hygienic measures: The usual precautionary measures should be adhered to general rules for handling chemicals. Wash hand after each work period and before eating.

9.	Section 9. Physical and chemical properties:	
9.1.	Information on basic physical and chemical properties:	
	Appearance:	
	form:	Aerosol
	colour:	Grey
	Odour threshold:	Characteristic
	Value pH:	Not determined
	Melting point/freezing point:	Not determined
	Initial boiling point/boiling range:	Not determined
	Flash point:	<0°C Not applicable, as aerosol
	Evaporation rate:	Not determined
	Flammability (solid,gas):	240°C
	Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
	Upper/lower flammability or explosive limits:	
	Explosion limits: lower (% Vol.):	0.6
	upper (% Vol.):	8.0
	Vapour pressure (at 20°C):	3500.0 hPa (2625 mm Hg)
	Vapour density (at 20 °C):	Not determined
	Relative density:	0.713 g/cm ³
	Solubility in/miscibility with	
	- water	Not miscible or difficult to mix
	Partition coefficient (n-octanol/water):	Not determined
	Auto-ignition temperature:	Not determined
	Decomposition temperature:	Not determined
	Viscosity:	Not determined
	Oxidative properties:	Not determined
9.2.	Other information:	
	Organic solvents:	70%
	Solids content:	1.4%
	VOC:	499.1 g/l

10.	Section 10. Stability and reactivity:	
10.1.	Reactivity:	No further relevant information available.
10.2.	Chemical stability:	No further relevant information available.
10.3.	Possibility of hazardous reactions:	No dangerous reactions known.
10.4.	Conditions to avoid:	There are known no conditions to avoid.
10.5.	Incompatible materials:	No further relevant information available.
10.6.	Hazardous products of decomposition:	Fire creates: Vapors/gases/fumes of: Carbon monoxide (CO),

Date of issue: 16.04.2011	Trade name:	Page: 5/7
Reviewed on:	RUSTY OIL	Version: 1.0

11. Section 11. Toxicological information:

11.1.	Acute toxicity:	
	64742-48-9 Naphtha (petroleum), hydrotreated heavy	
	Oral LD50	>15000 mg/kg (rat)
	Dermal LD50	>3000 mg/kg (rab)
	Inhalative LC50/4h	>2.8 mg/l (rat)
	109-66-0 Pentane	
	Oral LD50	>16000 mg/kg (rat)
	Dermal LD50	>2500 mg/kg (rat)
		>5000 mg/kg (rabbit)
	Inhalative LC50/4h	>100 mg/l (rat)
	106-97-8 Butane	
	Inhalative LC50/4h	658 mg/l (rat)
	Irritation: on the skin:	Long-term or repeated contact may cause skin irritation.
	on the eye:	No irritant 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:	High concentrations of vapour may cause dizziness, nausea and headaches. May cause irritation of mouth, respiratory tract and intestinal system.

12. Section 12. Ecological information:

12.1.	Toxicity:	
	64742-49-0 Naphtha (petroleum); hydrotreated light	
	LC50	>100 mg/l (crustacean (amphipod))
	(96h)	>100 mg/l (fish)
	109-66-0 Pentane	
	EC50	9,7 mg/l (daphnia magna)
	(48h)	
	Water hazard	slightly hazardous for water.
		Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
		Harmful to fish.
		Harmful to aquatic organisms.
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.
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.
	Uncleaned packagings:	Disposal must be made according to official regulations.

14. Section 14. Transport information:

14.1.	Land transport:	
	ADR/RID-GGVS/E class:	2 5F Gases
	Danger code (Kemler):	-
	Packaging group:	-
	Number UN:	1950

Date of issue: 16.04.2011	Trade name:	Page: 6/7
Reviewed on:	RUSTY OIL	Version: 1.0

Description of goods:	Aerosols
Remarks:	"Limited quantities", LQ2
Transport category:	2
Tunnel restriction code	D
14.2. Maritime transport:	
IMDG-class:	2.1
Page:	-
Number UN:	1950
Packaging group:	-
Marine pollutant:	No
EMS-group:	F-D,S-U
MFAG:	-
Proper shipping name:	Aerosols
14.3. Air transport:	
ICAO / IATA -class:	2.1
UN/ID number:	1950
Proper shipping name:	Aerosols, flammable
UN "Model Regulation":	UN1950; AEROSOLS; 2.1
Special precautions for users - Waring:	Gases
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable

15. Section 15. Regulatory information:

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

Labelling according to law line:

The product has been labeled in accordance with EC Directives / relevant national laws.

Danger of determining components and mark to labelling:

74-98-6/106-97-8 Propane/Butane

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after burn. Do not spray on a naked flame or any incandescent material.

Labelling hazardousness:



F+ - Extremely flammable

Numbers and word reading associated hazard R-sentences :

R 12 Extremely flammable.

R 52/53 Harmful to aquatic organisms, may cause long-term effects in aquatic environment.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

Numbers and word reading associated security S-sentences:

S 2 Keep out of reach of children.

S 16 Keep away from sources of ignition – No smoking.

S 23 Do not breathe vapor/aerosol.

S 24/25 Avoid contact with skin and eyes.

S 46 If swallowed, seek medical advice immediately and show this container or label.

S 51 Use only in well-ventilated areas.

S 56 Dispose of this material and its container at hazardous or special waste collection point.

On the packaging there is not included info in accordance with European Regulation No 1999/45/EC (chapter 2.5.).

Density: 0,713 g/cm³

Date of issue: 16.04.2011	Trade name:	Page: 7/7
Reviewed on:	RUSTY OIL	Version: 1.0

VOC: 499,1 g/l
Nonvolatile substances: 1,4%

Used legislation:

European Regulation (EC) No 1907/2006 – REACH.
Commission Regulation (EU) No 453/2010.
European Regulation No 67/548EEC and 1999/45/EC.
Commission Regulation (EC) No 1272/2006 – CLP.
Commission Regulation (EC) No 790/2009.
Regulation (EC) No 648/2004 (detergents).

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.

Relative R+H phrases:

R 12 Extremely flammable.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65 Harmful: May cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.
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.
EUH066 Repeated exposure may cause skin dryness or cracking.

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
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
WEL- Workplace exposure limits
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

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