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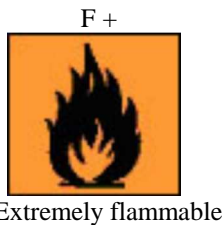
1. Identification of substance, company:

- 1.1. Identification of substance: **WELD PROTECT - 02.0044 (spray)**
 1.2. Application of the substance/the preparation: Welding protection
 1.3. Identification of manufacturer/Supplier:
 RETECH, s.r.o.
 Vackova 1541/4
 150 00 Praha-5 Stodůlky
 Telephone/Fax: +420 327 596 128, +420 596 428
 Information: hana.mekotova@retech.cz
 1.4. Telephone number for RETECH Suchdol 212, Suchdol u Kutné Hory
 extraordinary situations: 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. 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.

2.1. Hazard designation:



2.2. Information pertaining to particular dangers for man and environment:

Extremely flammable
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 Repeated exposure may cause skin drowsiness or cracking.
 Vapours may cause drowsiness and dizziness.

2.3. Additional information:

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.
 Buildup of explosive mixtures possible without sufficient ventilation.
 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.

3. Composition/information on ingredients:

3.1. Description:

Propellant containing mixture of mineral oil, additives and solvents.

3.2. Dangerous components:

Chemical name	Contents(%)	Number CAS	Number ES	Cautionary symbol	R sentences
Pentane	25-50	109-66-0	203-692-4	Xn, F+, N	R 12-51/53-65-66-67
Propane	10-25	74-98-6	200-827-9	F+	R 12
Butane	10-25	106-97-8	203-448-7	F+	R 12

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Isononylphenol	2.5-10	37205-87-1	-	Xi	R 36/38
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Additional information: For the wording of the listed risk phrases refer to section 16.

4. First aid measures:

- 4.1. After inhalation: Supply fresh air; consult doctor in case of symptoms.
- 4.2. After skin contact: Immediately rinse with water.
- 4.3. After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- 4.4. After swallowing: Do not induce vomiting; call for medical help immediately.
- 4.5. General information: -

5. Fire fighting measures:

- 5.1. Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2. For safety reasons unsuitable extinguishing agents: Water with full jet.
- 5.3. Protective equipment: Wear protective equipment/clothing and oxygen-mask when fighting fires.
- 5.4. Special hazards caused by the material, its products of combustion or resulting gases: -
- 5.5. Additional information: Aerosols may explode when overheated. Cool the container with water.

6. Accidental release measures:

- 6.1. Person-related safety precautions: Wear protective equipment see item 8.2. Ensure adequate ventilation. Keep unprotected person away. Keep away from ignition sources.
- 6.2. Measures for environmental protection: Do not allow to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.
- 6.3. Measures for cleaning/collecting: Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.

7. Handling and storage:

- 7.1. Handling:
 - Information for safe handling: Ensure good ventilation/exhaustion at the workplace.
 - Information about protection against explosions and fires: 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. Do not spray onto a naked flame or any incandescent material.
- 7.2. Storage:
 - Requirements to be met by storerooms and containers: Store in cool location. Observe official regulations on storing packagings with pressurized containers.
 - Information about storage in one common storage facility: No required.
 - Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

8. Exposure controls and personal protection:

- 8.1. Validate parameter: Components with limit values that require monitoring at the workplace:

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106-97-8 butane
OES Short-term value: 1810 mg/m³, 750 ppm
Long-term value: 1450 mg/m³, 600 ppm
74-98-6 propane
OES Long-term value: 1800 mg/m³, 1000 ppm
109-66-0 Pentane – Long-term value: 600 ppm
Additional information: The lists that were valid during the compilation were used as basis.

8.2. Personal protective equipment:
Eye protection: Tightly sealed goggles.
Breathing equipment: Use suitable respiratory protective device in case of insufficient ventilation.
Protection of hands: Protective gloves.
Protection of skin: Protective working clothes.

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. Physical and chemical properties:

Form: Aerosol
Colour: Colourless
Odour: Characteristic

9.1. Melting point/Melting range: Not determined
Boiling point/Boiling range: -44°C
Flash point: <0°C
Inflammability (strength, gas form) 285°C
Self-inflammability: Product is not self igniting.
Danger of explosion: Product is not explosive. However, formation of explosive air/steam mixtures is possible.

Explosion limits: lower (% Vol): 1.4
upper (% Vol): 10.9
Vapour pressure (at 20°C): 8300 hPa
Density at 20 °C 0.623 g/cm³
Solubility in/Miscibility with
- water Not miscible or difficult to mix.

9.2. Solvent content:
Organic solvents: 90.0%
VOC: 560.7 g/l

10. Stability and reactivity:

10.1. Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.2. Materials to be avoided: -

10.3. Dangerous reactions: No dangerous reaction known.

10.4. Dangerous products of decomposition: No dangerous decomposition products known.

11. Toxicological information:

11.1. Acute toxicity:
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)
37205-87-1 Isononylphenol
Oral: >2000 mg/kg LD50(rat)
106-97-8 Butane
Inhalative LC50/4h 658 mg/l (rat)

11.2. Primary irritant effect:

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on the skin:	Long term contact may cause irritation.
on the eye:	May cause transient irritation.
Sensitization:	No sensitizing effects known.
Additional toxicological information:	-



12. Ecological information:
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.
Toxic for fish
Toxic for aquatic organisms

13. Disposal considerations:
13.1. Product: Must not be disposed together with household garbage. Do not allow product to reach sewage system.
13.2. Uncleaned packagings: Disposal must be made according to official regulations.

14. Transport information:
14.1. Land transport:
ADR/RID-GGVS/E class: 2
Number/Letter: 5F
Danger code (Kemler): 23
Number UN: 1950
Description of goods: Aerosols
14.2. Maritime transport:
IMDG-class: 2
Number UN: 1950
Packaging group: -
EMS-group: F-D,S-U
Marine pollutant: No
Proper shipping name: Aerosols
14.3. Air transport:
ICAO / IATA -class: 2.1
UN/ID number: 1950
Packaging group: -
Proper shipping name: Aerosols, flammable, n.o.s

15. Regulatory information:
15.1. 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:
109-66-0 – Pentane, 106-97-8 – Butane, 74-98-6 Propane

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  N- Dangerous for the environment

Numbers and word reading associated hazard R-sentences :

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- R 12 Extremely flammable.
R 51/53 Toxic 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 vapours / spray
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.
S 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Density: 0,623 g/cm³

VOC: 560,7 g/l

15.2. Used legislation:

European Regulation (EC) No 1907/2006 - REACH

Regulation (EC) No 648/2004 of the European Parliament and of the council of 31 March 2004 on detergents

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-phrases:

- R 12 Extremely flammable.
R 36/38 Irritating to eyes and skin.
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.