

Date of issue: 05.01.2004	Trade name:	Page: 1/5
Reviewed on: 21.03.2008	<b>WELD PROTECT</b>	

**1. Identification of substance, company:**

- 1.1. Identification of substance: **WELD PROTECT - 1 02. 0045/46/47 (tank)**  
 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](mailto: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.

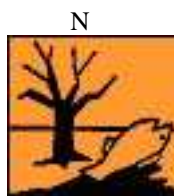
2.1. Hazard designation:



Highly flammable



Harmful



Dangerous for the environment

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

Harmful: May cause lung damage if swallowed.

Irritating to skin.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Vapours may cause drowsiness, dizziness and irritate respiratory system.

2.3. Additional information:

Protect from sunlight and do not expose to temperatures exceeding 50°C. 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:

Mixture of the substances listed below with harmless additions.

3.2. Dangerous components:

Chemical name	Contents(%)	Number CAS	Number ES	Cautionary symbol	R sentences
Naphtha (petroleum), Hydrotreated light (contains less than 0.1% benzene)	50-100	64742-49-0	265-151-9	Xn,F,N	R 11-38-51/53-65-67
Isononylphenol	10-25	37205-87-1	-	Xi	R 36/38

Date of issue: 05.01.2004	Trade name:	Page: 2/5
Reviewed on: 21.03.2008	<b>WELD PROTECT</b>	

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 wash with water and soap and rinse thoroughly.
- 4.3. After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- 4.4. After swallowing: Wash out mouth with water, drink plenty of water and seek medical advice. Do not induce vomiting.

**5. Fire fighting measures:**

- 5.1. Suitable extinguishing agents: CO2, powder, alcohol resistant foam or water haze.
- 5.2. For safety reasons unsuitable extinguishing agents: Water with full jet.
- 5.3. Protective equipment: Wear oxygen-mask when fighting fires.
- 5.4. Special hazards caused by the material, its products of combustion or resulting gases: -
- 5.5. Additional information: -

**6. Accidental release measures:**

- 6.1. Person-related safety precautions: Ensure adequate ventilation. Wear protective equipment see item 8.2. Keep unprotected persons away. Keep ignition sources away.
- 6.2. Measures for environmental protection: Do not allow to enter drainage system, surface or ground water. Inform respective authorities in case product reaches water or sewage system.
- 6.3. Measures for cleaning/collecting: Ensure adequate ventilation. 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. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not smoke
  - Information about protection against explosions and fires:
- 7.2. Storage:
  - Requirements to be met by storerooms and containers: Store in cool location and protect from heat and direct sunlight. Keep away from sources ignition.– Do not smoke.
  - Information about storage in one common storage facility: -
  - Further information about storage conditions: -

**8. Exposure controls and personal protection:**

- 8.1. Validate parameter:
  - Components with limit values that require monitoring at the workplace: 64742-49-0 Naphtha (petroleum) – Long-term value: 315 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: Not required, but ensure adequate ventilation when using the product.
  - 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

Date of issue: 05.01.2004	Trade name:	Page: 3/5
Reviewed on: 21.03.2008	<b>WELD PROTECT</b>	

before eating.

**9. Physical and chemical properties:**

Form:	Liquid
Colour:	Colourless
Odour:	Characteristic
9.1. Melting point/Melting range:	Not determined
Boiling point/Boiling range:	78°C
Flash point:	-9°C
Inflammability (strength, gas form)	200.0°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):	0.8
upper (% Vol):	7.7
Vapor pressure (at 20°C):	-
Density at 20 °C	0.730 g/cm <sup>3</sup>
Solubility in/Miscibility with	
- water	Not miscible or difficult to mix.
9.2. Other information: VOC:	83,4%
Organic solvents:	608,8 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:	
37205-87-1 Isononylphenol	Oral: LD50: > 2000 mg/kg (rat)
11.2. Primary irritant effect:	
on the skin:	May cause irritation by long term contact.
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.

**13. Disposal considerations:**

13.1. Product:	Must not be disposed together with household garbage. Disposal must be made according to official regulations.
13.2. Uncleaned packagings:	Disposal must be made according to official regulations.

**14. Transport information:**

14.1. Land transport:	
ADR/RID-GGVS:	3
Packaging group:	II
Danger code (Kemler):	33
Number UN:	3295
Description of goods:	Flammable liquid

Date of issue: 05.01.2004	Trade name:	Page: 4/5
Reviewed on: 21.03.2008	<b>WELD PROTECT</b>	

- 14.2. Maritime transport:  
 IMDG-class: 3  
 Page: -  
 Number UN: 3295  
 Packaging group: II  
 EMS-group: F-E,S-D  
 Marine pollutant: No  
 Proper shipping name: Flammable liquid
- 14.3. Air transport:  
 ICAO / IATA -class: 3  
 UN/ID number: 3295  
 Packaging group: II  
 Proper shipping name: Flammable liquid

**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:  
 64742-49-0 Naphtha (petroleum), Hydrotreated light

Protect from sunlight and do not expose to temperatures exceeding 50°C.

Labelling hazardousness:



F – Highly flammable



Xn - Harmful



N- Dangerous for the environment

Numbers and word reading associated hazard R-sentences :

- R 11 Highly flammable.  
 R 38 Irritating to skin.  
 R 51/53 Toxic to aquatic organisms, may cause long-term effects in aquatic environment.  
 R 65 Harmful: May cause lung damage if swallowed.  
 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 9 Keep container in a well-ventilated place.  
 S 16 Keep away from sources of ignition – No smoking.  
 S 23 Do not breathe vapours / spray  
 S 24 Avoid contact with skin.  
 S 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection  
 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.  
 S 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Density: 0,73 g/cm<sup>3</sup>

VOC: 608,8 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

Date of issue: 05.01.2004	Trade name:	Page: 5/5
Reviewed on: 21.03.2008	<b>WELD PROTECT</b>	

**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 11 Highly flammable.

R 38 Irritating to 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 67 Vapours may cause drowsiness and dizziness.