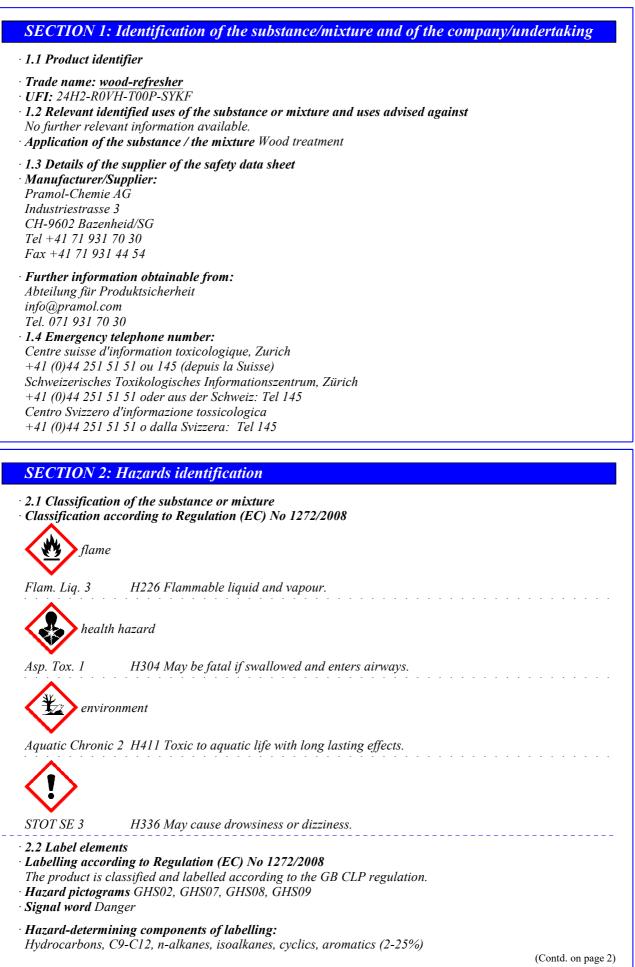
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|-----------------------------------|--|--|
| • Hazard stateme | nts | |
| H226 Flammable liquid and vapour. | | |
| H336 May caus | e drowsiness or dizziness. | |
| H304 May be fa | ital if swallowed and enters airways. | |
| H411 Toxic to a | equatic life with long lasting effects. | |
| · Precautionary s | statements | |
| P102 | Keep out of reach of children. | |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/ doctor. | |
| P303+P361+P. | 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. | |
| P405 | Store locked up. | |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. | |
| · Results of PBT | and vPvB assessment | |
| · PBT: Not appli | cable. | |
| • vPvB: Not appl | icable. | |
| | | |

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

 EC number: 919-446-0
 Naphtha (petroleum), heavy alkylate
 50-100%

 Reg.nr.: 01-2119471991-29
 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic
 50-100%

 2, H411, EUH066
 Solution
 Solution

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

SECTION 4: First aid measures

• 4.1 Description of first aid measures

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If symptoms persist consult 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.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
- For safety reasons 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
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.
- Do not allow to enter sewers/ surface or ground water.

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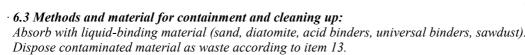
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Do not flush with water or aqueous cleansing agents

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.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling No special precautions are necessary if used correctly.
- Information about fire and explosion protection: Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- Storage class: 3
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:
- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- · Hand protection



Protective gloves

- · Material of gloves Rubber gloves
- · Penetration time of glove material
- The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- As protection from splashes gloves made of the following materials are suitable: PVC or PE gloves
- · Eye/face protection Goggles recommended during refilling

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| 9.1 Information on basic physical and chemical p | ronerties |
|--|---|
| General Information | · operated |
| Physical state | Fluid |
| Colour: | Brown |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |
| Melting point/freezing point: | <-20 °C |
| Boiling point or initial boiling point and boiling | 20 0 |
| range | 162 °C |
| Flammability | Not applicable. |
| | Not upplicable. |
| Lower and upper explosion limit | 0.7 Vol % |
| Lower: | |
| Upper: | 6.5 Vol % |
| Flash point: | 42 °C |
| Ignition temperature: | >340 °C |
| Decomposition temperature: | Not determined. |
| рН | Not determined. |
| Viscosity: | |
| Kinematic viscosity | Not determined. |
| Dynamic: | Not determined. |
| Solubility | |
| water: | Not miscible or difficult to mix. |
| Partition coefficient n-octanol/water (log value) | Not determined. |
| Vapour pressure: | Not determined. |
| Density and/or relative density | Not acterminea. |
| Density at 20 °C: | 0.811 g/cm^3 |
| Relative density | Not determined. |
| | Not determined. |
| Vapour density | Noi ueierminea. |
| 9.2 Other information | |
| Appearance: | |
| Form: | Fluid |
| Important information on protection of health an | d |
| environment, and on safety. | |
| Auto-ignition temperature: | Product is not selfigniting. |
| Explosive properties: | Product is not explosive. However, formation of |
| | explosive air/vapour mixtures are possible. |
| Solvent separation test: | |
| Solids content: | 0.6 % |
| Change in condition | |
| Evaporation rate | Not determined. |
| • | |
| Information with regard to physical hazard classe | |
| Explosives | Void |
| | Void |
| Flammable gases | Void |
| ~ | Void |
| Aerosols | Void |
| | Void |
| Oxidising gases | Void |
| | Void |
| Gases under pressure | Void |
| Suses unuer pressure | Void |
| Flammahla liquida | |
| Flammable liquids | Flammable liquid and vapour. |
| | Void |

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| | | (Contd. of page 4) |
|---|------|--------------------|
| · Flammable solids | Void | |
| | Void | |
| • Self-reactive substances and mixtures | Void | |
| - | Void | |
| · Pyrophoric liquids | Void | |
| | Void | |
| · Pyrophoric solids | Void | |
| | Void | |
| • Self-heating substances and mixtures | Void | |
| | Void | |
| · Substances and mixtures, which emit flamm | able | |
| gases in contact with water | Void | |
| | Void | |
| · Oxidising liquids | Void | |
| | Void | |
| • Oxidising solids | Void | |
| | Void | |
| · Organic peroxides | Void | |
| | Void | |
| · Corrosive to metals | Void | |
| | Void | |
| · Desensitised explosives | Void | |
| | Void | |

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

- Thermal decomposition / conditions to be avoided: 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.

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

· LD/LC50 values relevant for classification:

Naphtha (petroleum), heavy alkylate

Oral LD50 >6,000 mg/kg (Rat)

Dermal LD50 >3,000 mg/kg (Rabbit)

• STOT-single exposure May cause drowsiness or dizziness.

• Aspiration hazard May be fatal if swallowed and enters airways.

• 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

• Aquatic toxicity: No further relevant information available.

• 12.2 Persistence and degradability No further relevant information available.

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- · 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 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects
- Remark: Toxic for fish
- · Additional ecological information:
- · General notes:
- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

SECTION 13: Disposal considerations

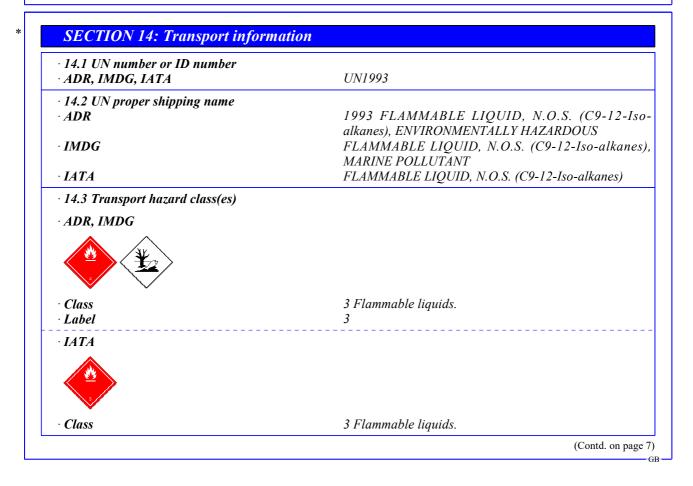
· 13.1 Waste treatment methods

· Recommendation

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

- Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- · Uncleaned packaging:
- · Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.



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|---|---|
| Label | 3 |
| 14.4 Packing group | |
| ADR, IMDG | III |
| 14.5 Environmental hazards: | |
| Marine pollutant: | YES |
| | Symbol (fish and tree) |
| Special marking (ADR): | Symbol (fish and tree) |
| 14.6 Special precautions for user | Warning: Flammable liquids. |
| Hazard identification number (Kemler code): | 30 |
| EMS Number: | <i>F-E,<u>S-D</u></i> |
| Stowage Category | A |
| 14.7 Maritime transport in bulk according to IM | 10 |
| instruments | Not applicable. |
| Transport/Additional information: | |
| ADR | |
| Limited quantities (LQ) | 5L |
| Excepted quantities (EQ) | Code: El |
| | Maximum net quantity per inner packaging: 30 ml |
| | Maximum net quantity per outer packaging: 1000 ml |
| Transport category | 3 |
| Tunnel restriction code | D/E |
| IMDG | |
| Limited quantities (LQ) | 5L |
| Excepted quantities (EQ) | Code: El |
| | Maximum net quantity per inner packaging: 30 ml |
| | Maximum net quantity per outer packaging: 1000 ml |
| UN "Model Regulation": | UN 1993 FLAMMABLE LIQUID, N.O.S. (C9-12-IS |
| 0 | ALKANES), 3, III, ENVIRONMENTALLY HAZARDOU |

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category

E2 Hazardous to the Aquatic Environment P5c FLAMMABLE LIQUIDS

• Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

• Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

· Regulation (EC) No 648/2004 on detergents / Labelling for contents

aliphatic hydrocarbons

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- *H411 Toxic to aquatic life with long lasting effects.*

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≥30%

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|--|
| EUH066 Repeated exposure may cause skin dryness or cracking. |
| · Abbreviations and acronyms: |
| ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the |
| International Carriage of Dangerous Goods by Road) |
| IMDG: International Maritime Code for Dangerous Goods |
| IATA: International Air Transport Association |
| GHS: Globally Harmonised System of Classification and Labelling of Chemicals |
| EINECS: European Inventory of Existing Commercial Chemical Substances |
| ELINCS: European List of Notified Chemical Substances |
| CAS: Chemical Abstracts Service (division of the American Chemical Society) |
| LC50: Lethal concentration, 50 percent |
| LD50: Lethal dose, 50 percent |
| PBT: Persistent, Bioaccumulative and Toxic |
| vPvB: very Persistent and very Bioaccumulative |
| Flam. Liq. 3: Flammable liquids – Category 3 |
| STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 |
| Asp. Tox. 1: Aspiration hazard – Category 1 |
| Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 |
| • * Data compared to the previous version altered. |
| CP- |