

Trade name: **FIX-R Roofing Felt Adhesive****SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **Product identifier:**
- **Trade name:** FIX-R Roofing Felt Adhesive
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available
- **Application of the substance / the preparation:** Cold bitumen adhesive for bonding bitumen membranes.
- **Details of the supplier of the safety data sheet**  
FIX-R  
Harding Way,  
St Ives,  
Cambridgeshire,  
PE27 3YJ  
  
Tel: 01480 466777  
Fax: 01480 290133  
Email: info@fix-r.co.uk  
www.fix-r.co.uk

**SECTION 2: Hazards Identification**

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Flam. Liq. 3                      H226 Flammable liquid and vapour.  
Aquatic Chronic 2              H411 Toxic to aquatic life with long lasting effects.  
STOT SE 3                        H336 May cause drowsiness or dizziness.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
N;                                      Dangerous for the environment  
R51/53:                              Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R10-67:                              Flammable. Vapours may cause drowsiness and dizziness.
- **Information concerning particular hazards for human and environment:**  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
  - **Hazard pictograms**



GHS02 GHS07 GHS09

- **Signal word** Warning
- **Hazard statements**  
H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.



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## 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/sparks/open flames/hot surfaces. – No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local / regional / national / international regulations.

## SECTION 3: Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of complex substances derived from petroleum and aromatic hydrocarbons.
- Dangerous components:

EC number: 919-446-0	hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromates (2-25%) Xn R65 R10-66-67 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336	10-25%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Xn R65 N R51/53 R10-66-67 Carc. Cat. 2 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Acute Tox. 4, H332; STOT SE 3, H335-H336	10-25%

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

## SECTION 4: First Aid Measures

- 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.
- Information for doctor:
- 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 information available.



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## SECTION 5: Firefighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture:** Not applicable.
- **Advice for fire fighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

## SECTION 6: Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course of sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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

- **Handling:**
- **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.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** No special measured required.
- **Further information about storage conditions:** Keep container tightly sealed.  
Protect from heat and direct sunlight.

## SECTION 8. Exposure Controls/Personal Protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at 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.

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- **Exposure controls**
- **Personal Protective Equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:** Solvent resistant gloves
- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculate in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

**SECTION 9: Physical and Chemical Properties**

- **Information on basic physical and chemical properties**
- **Appearance:**
  - Form: Viscous
  - Colour: Black
  - Odour: Aromatic
  - pH-value: Not determined
- **Change in condition**
  - **Boiling point/Boiling range:** 135°C
  - **Flash point:** 35°C
  - **Ignition temperature** 450°C
  - **Self-igniting:** Product is not self-igniting.
  - **Danger of explosion:** Product is not explosive. However, formations of explosive air/vapour mixtures are possible.
- **Explosion limits:**
  - **Lower** 0.5 Vol %
  - **Upper:** 7.5 Vol %
- **Vapour pressure at 20°C:** 27 hPa
- **Density at 20°C:** 0.93 g/cm<sup>3</sup>
- **Solubility in / Miscibility with water:** Insoluble.
- **Organic solvents:** Miscible with many organic solvents.
- **Viscosity**
  - **Dynamic:** 500 – 1000 cPs (40°C)
  - **Kinematic:** Not determined.
- **Solvent content:**
  - **VOC (EC)** VOC limit value (cat A/h) 750 g/L 2010.  
Product contains 330 g/L.
- **Other information:** No further information available.



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## SECTION 10: Stability and Reactivity

- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Stable at environment temperature.
- **Possibility of hazardous reactions:** Forms flammable gases/fumes.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
- Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxides.

## SECTION 11: Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
- **hydrocarbons, C9-C12, n-alkanen, iso-alkanen, cyclic, aromates (2-25%)**
  - Oral: LD50 > 5000 mg/kg (rat)
  - Dermal: LD50 > 2000 mg/kg (rab)
- **64742-95-6 Solvent naphtha (petroleum), light arom.**
  - Oral: LD50 > 2000 mg/kg (rat)
  - Dermal: LD50 > 2000 mg/kg (rat)
  - Inhalative: LC50/4 h >10.2 mg/l (rat)
- **Primary irritant effect:**
- **On the skin:** Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
- **On the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

## SECTION 12: Ecological Information

### Toxicity

- **Aquatic toxicity:**
- **Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromates (2-25%)**
- EC50 | 10mg/l (daphnia)
- **64742-95-6 Solvent naphtha (petroleum), light arom.**
- EC50 | ≤10mg/l (daphnia)
- **Persistence and degradability:** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bio accumulative potential:** No further relevant information available.
- **Mobility soil:** No further relevant information available.
- **Ecotoxiacal effects:**
- **Remark:** Toxic to fish
- **Additioanl ecological information:**
- **General notes:**

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.


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- **Results of PBT and vPvB assessment.**
- **PBT:** Not applicable.
- **VPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

**SECTION 13: Disposal Considerations**

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport Information**

▪ <b>UN number</b>	
▪ <b>ADR, IMDG</b>	UN1133
▪ <b>UN proper shipping name</b>	
○ <b>ADR</b>	ADHESIVES, 3, III, (D/E), DANGEROUS FOR THE ENVIRONMENT
○ <b>IMDG</b>	UN 1133, Adhesives, (contains solvent naphta and white spirit mixture), 3, III, (35°C c.c.) MARINE POLLUTANT
▪ <b>Transport hazard class (es)</b>	
○ <b>ADR, IMDG</b>	
	
○ <b>Class</b>	3 Flammable liquids
○ <b>Label</b>	3
▪ <b>Packing group</b>	
○ <b>ADR, IMDG</b>	III
▪ <b>Environmental hazards:</b>	
▪ <b>Marine pollutant:</b>	Yes Symbol (fish and tree)
▪ <b>Special marking (ADR):</b>	Symbol (fish and tree)
▪ <b>Special precautions for user</b>	Warning: Flammable liquids.
▪ <b>Danger code (Kemler):</b>	30
▪ <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
▪ <b>Transport/Additional information:</b>	
▪ <b>ADR</b>	
▪ <b>Limited quantities (LQ)</b>	5L
▪ <b>Transport category</b>	3
▪ <b>Tunnel restriction code</b>	D/E
▪ <b>UN "Model Regulation":</b>	UN1133, ADHESIVES, ENVIRONMENTALLY HAZARDOUS, 3, III

**SECTION 15: Regulatory Information**

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.



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## 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.
  - H332 Harmful if inhaled.
  - H335 May cause respiratory irritation.
  - H336 May cause drowsiness or dizziness.
  - H411 Toxic to aquatic life with long lasting effects.

R10 Flammable.

R37 Irritating to respiratory system.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R64 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.
- **Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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