

Trade name: **FIX-R Reflective Paint****SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **Product identifier:**
- **Trade name:** FIX-R Reflective Paint
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available
- **Application of the substance / the preparation:** Aluminium Reflective Roof Paint
- **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.
STOT SE 3 H336 May cause drowsiness or dizziness.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
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

- **Signal word** Warning
- **Hazard statements**
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.



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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 substances listed below with non-hazardous additions.
- **Dangerous components:**

EC number: 919-857-5	Koolwaterstoffen,C9-C11, n-alkanen, isoalkanen, cyclische, <2% aromaten Xn R65 R10-66-67 Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336	25-50%
EC number: 919-446-0	Aluminiumpasta F R11 R66 Flam. Sol. 1, H228	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.

SECTION 5: Firefighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO₂, 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:** No special measures required.



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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 at temperature between 0°C and 35°C.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

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.
- **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.

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- **Eye protection:**



Tightly sealed goggles

SECTION 9: Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **Appearance:**
 - Form: Viscous
 - Colour: Silver grey
 - Odour: Solvent-like
 - pH-value: Not determined
- **Change in condition**
 - **Boiling point/Boiling range:** 130°C
 - **Flash point:** 36°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:** 7.0 Vol %
- **Vapour pressure at 20°C:** 3 hPa
- **Density at 20°C:** 0.97 g/cm³
- **Solubility in / Miscibility with water:** Insoluble.
- **Organic solvents:** Miscible with many organic solvents.
- **Viscosity**
 - **Kinematic at 20°C:** 85 s (DIN 53211/4)
- **Solvent content:**
 - **VOC (EC)** VOC limit value (cat A/i) 500 g/L 2010.
Product contains 300 g/L.

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 decompositions products may be released during prolonged heating like smokes, carbon monoxide and dioxides.



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SECTION 11: Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

- **Koolwaterstoffen, C9-C11, n-alkanen, isoalkanen, cyclishe, <2% aromaten**

- Oral: LD50 > 5000 mg/kg (rat)
- Dermal: LD50 > 5000 mg/kg (rab)
- Inhalative: LC50/4 h >4951 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:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bio accumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional 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.
- **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.

Trade name: **FIX-R Reflective Paint****SECTION 14: Transport Information**

▪ UN number	1268
▪ ADR, IMDG	
▪ UN proper shipping name	
○ ADR	PETROLEUM PRODUCTS, N.O.S. (aliphatic white spirit)
○ IMDG	UN 1268, Petroleum products n.o.s., 3, III, (35°C c.c.)
▪ Transport hazard class (es)	
○ ADR, IMDG	
	
○ Class	3 Flammable liquids
○ Label	3
▪ Packing group	
○ ADR, IMDG	III
▪ Environmental hazards:	
▪ Marine pollutant:	No
▪ Special precautions for user	Warning: Flammable liquids.
▪ Danger code (Kemler):	30
▪ Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
▪ Transport/Additional information:	
▪ ADR	
▪ Limited quantities (LQ)	LQ7
▪ Transport category	3
▪ Tunnel restriction code	D/E
▪ UN "Model Regulation":	UN1268, PETROLEUM PRODUCTS, N.O.S., 3, III

SECTION 15: Regulatory Information

- **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.
H228 Flammable solid.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.

R10 Flammable.
R11 Highly flammable
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.



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- **Department issuing MSDS:** Product safety department
- **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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