

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

- **Product identifier:**
- **Trade name:** FIX-R Bitumen Primer
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available
- **Application of the substance / the preparation:** Bitumen primer
- **Details of the supplier of the safety data sheet**
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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.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
R10-52/53-67: Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 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.



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H412 Harmful to aquatic life with long lasting effects.

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 aliphatic hydrocarbons and bitumen.
- 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	hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromates (2-25%) Xn R65 R51/53 R10-66-67 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, 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:**
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:** Wear fully protective suit.
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:** Work only in fume cupboard.
- **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:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
Protect from heat and direct sunlight.
- **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.

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- **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.
- **Eye protection:**



Tightly sealed goggles

SECTION 9: Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **Appearance:**
 - Form: Fluid
 - Colour: Black
 - Odour: Solvent-like
 - pH-value: Not determined
- **Change in condition**
 - **Boiling point/Boiling range:** 130°C
 - **Flash point:** 35°C
 - **Flammability (solid, gaseous):** Not applicable
 - **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:** 27 hPa
- **Density at 20°C:** 0.88 g/cm³
- **Solubility in / Miscibility with water:** Insoluble.
- **Organic solvents:** Miscible with many organic solvents.
- **Viscosity**
 - **Dynamic:** Not determined.
 - **Kinematic:** Not determined.
- **Solvent content:**



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- **VOC (EC)** VOC limit value (cat A/h) 750 g/L 2010.
Product contains 450 g/L.
- **Other information:** No further information available.

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.

SECTION 11: Toxicological Information

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

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

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

- Oral: LD50 > 5000 mg/kg (rat)
- Dermal: LD50 > 5000 mg/kg (rab)
- Inhalative: LC50/4 h >4951 mg/l (rat)

- **Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromates (2-25%)**

- Oral: LD50 > 5000 mg/kg (rat)
- Dermal: LD50 > 2000 mg/kg (rab)

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- **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:** Splashes in the eyes may cause irritation and reversible local damage.
 - **Sensitization:** No sensitizing effects known.

SECTION 12: Ecological Information

Toxicity

- **Aquatic toxicity:**
- **Koolwaterstoffen, C9-C12, n-alkanen, isoalkanen, cyclische, aromaten (2-25%)**

EC50 | 10 mg/l (daphnia)

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- **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.
 - **Ecotoxicial effects:**
 - **Remark:** Harmful to fish
 - **Additioanl ecological information:**
 - **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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

Danger to drinking water if even small quantities leak into the ground.


Harmful to aquatic organisms.

- **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

▪ UN number	
▪ ADR, IMDG	UN1268
▪ UN proper shipping name	
○ ADR	UN 1268, PETROLEUM PRODUCTS, N.O.S. (aliphatical white spirit, 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)	5L
▪ Transport category	3
▪ Tunnel restriction code	D/E



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- **UN "Model Regulation":** UN1268, PETROLEUM PRODUCTS, N.O.S., 3, III
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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
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

R10 Flammable.

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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