


## 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** *IKOPRO Emergency Roof Repair*
- **Relevant identified uses of the substance or mixture and uses advised against**  
*No further relevant information available.*
- **Application of the substance / the preparation** *Repair mastic.*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
IKO PLC  
Appley Lane North  
Appley Bridge  
Wigan  
Lancashire  
WN6 9AB
- **Further information obtainable from:** email: - technical@ikogroup.co.uk, Tel:01257 256779
  
- **Emergency telephone number:** +44 (0)1257 256864 Opening Times: 0900 - 1700 Monday to Friday

## 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.*
- **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, 453/2010**  
*The product is classified and labelled according to the CLP regulation.*
- **Hazard pictograms**  
  
GHS02
- **Signal word** *Warning*
- **Hazard statements**  
*H226 Flammable liquid and vapour.*
- **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.*

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- P280 *Wear protective gloves/protective clothing/eye protection/face protection.*
- P303+P361+P353 *IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.*
- P403+P235 *Store in a well-ventilated place. Keep cool.*
- P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

**3 Composition/information on ingredients**

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

|                                      |  |        |
|--------------------------------------|--|--------|
| EC number: 919-857-5                 | Koolwaterstoffen, C9-C11, n-alkanen, isoalkanen, cyclische, <2% aromaten                     | 10-25% |
|                                      | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>STOT SE 3, H336                                   |        |
| CAS: 61790-53-2                      | Diatomaceous earth (Silica-Amorphous)<br>substance with a Community workplace exposure limit | 5-10%  |
| CAS: 68910-93-0<br>EINECS: 272-756-1 | talloil fatty acid   | 0-2.5% |
|                                      | Eye Dam. 1, H318<br>Aquatic Chronic 2, H411<br>Skin Irrit. 2, H315                           |        |

- **Additional information:** For the wording of the listed hazard statements refer to section 16.

**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 relevant information available.

**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.

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- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
 Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** 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.

## 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:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

## 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 the workplace:**

**61790-53-2 Diatomaceous earth (Silica-Amorphous)**

|     |   |
|-----|---|
| WEL | Long-term value: 1.2 mg/m <sup>3</sup><br>respirable dust |
|-----|---|

- **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 required.
- **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 calculated 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

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **Appearance:**

|                    |                 |
|--------------------|-----------------|
| · <b>Form:</b>     | Pasty           |
| · <b>Colour:</b>   | Black           |
| · <b>Odour:</b>    | Petroleum-like  |
| · <b>pH-value:</b> | Not determined. |

· **Change in condition**

· **Boiling point/Boiling range:** 130 °C

· **Flash point:** 36 °C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation 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:** 1.17 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:**

Insoluble.

· **organic solvents:** Miscible with many organic solvents.

· **Viscosity:**

· **Dynamic:** 371000 - 866000 mPas (25 °C)

· **Solvent content:**

· **VOC (EC)** VOC limit value (cat A/i) 500 g/L 2010.  
Product contains 200 g/L.

· **Other information** No further information available.

## 10 Stability and reactivity

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **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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### 11 Toxicological information

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

- **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)  |

- **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.*

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Mobility in soil** *No further relevant information available.*
- **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.*
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **Other adverse effects** *No further relevant information available.*

### 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.*

### 14 Transport information

- **UN-Number**
- **ADR, IMDG** UN1268

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|  |   |
|--|---|
| · <b>UN proper shipping name</b>   |   |
| · <b>ADR</b>   | PETROLEUM PRODUCTS, N.O.S. (aliphatic white spirit) exemption according 2.2.3.1.5.                              |
| · <b>IMDG</b>  | UN 1268, Petroleum products nos, 3, III, (36 °C c.c.)<br>Transport in accordance with 2.3.2.5 of the IMDG code. |
| · <b>Transport hazard class(es)</b>  |   |
| · <b>ADR, IMDG</b>   |   |
| · <b>Class</b>   | 3 Flammable liquids.  |
| · <b>Packing group</b>   |   |
| · <b>ADR</b>   | III   |
| · <b>Environmental hazards:</b>  |   |
| · <b>Marine pollutant:</b>   | No  |
| · <b>Special precautions for user</b>  | Warning: Flammable liquids.   |
| · <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>  | UN1268, PETROLEUM PRODUCTS, N.O.S., 3, III  |

**15 Regulatory information**

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

**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.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

**Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- 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

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**Version History.**

Version 1.0 June 1st 2015 New release for Classifiaction, Labelling Packaging Regulations