

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

- Product identifier
- Trade name: **IKOpro Universal Roof Repair Compound**
- 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:  
UK: 0844 412 7228  
Ireland : 01885 5090
- Emergency telephone number: 0844 412 7228

## 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.*
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC  
*Not applicable.*
- 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

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

- *Additional information: For the wording of the listed ph rases 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:*  
*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.*

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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> respirable dust
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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 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:

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

· 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.*

· Viscosity:

Dynamic at 20 °C: *618000 mPas*

· 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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· UN proper shipping name	
· ADR	<i>PETROLEUM PRODUCTS, N.O.S. (aliphatic white spirit) exemption according 2.2.3.1.5.</i>
· IMDG	<i>UN 1268, Petroleum products nos, 3, III, (36 °C c.c.) Transport in accordance with 2.3.2.5 of the IMDG code.</i>
· Transport hazard class(es)	
· ADR, IMDG	
· Class	<i>3 Flammable liquids.</i>
· Packing group	
· ADR, IMDG	<i>III</i>
· Environmental hazards:	
· Marine pollutant:	<i>No</i>
· Special precautions for user	<i>Warning: Flammable liquids.</i>
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	<i>Not applicable.</i>
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	<i>5L</i>
· Transport category	<i>3</i>
· Tunnel restriction code	<i>D/E</i>
· UN "Model Regulation":	<i>UN1268, PETROLEUM PRODUCTS, N.O.S., 3, III</i>

### 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.*

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· **Contact:**

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· **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*

· **\* Data compared to the previous version altered.**

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### **Version History.**

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

Version 2.0 June 2016 Revised Constituent Materials

Version 3.0 April 2017 Removed references to R phrases and CHIP regulations