

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



- 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 Asp. Tox. 1, H304 STOT SE 3, H336	
CAS: 61790-53-2	Diatomaceous earth (Silica-Amorphous) substance with a Community workplace exposure limit	5-10%
CAS: 68910-93-0 EINECS: 272-756-1	talloil fatty acid	0-2.5%
	Eye Dam. 1, H318 Aquatic Chronic 2, H411 Skin Irrit. 2, H315	

- 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/m³
 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:

Form: *Pasty*
Colour: *Black*

· Odour: *Petroleum-like*

· pH-value: *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/cm³*

· 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)</i>
	<i>exemption according 2.2.3.1.5.</i>
· IMDG	<i>UN 1268, Petroleum products nos, 3, III, (36 °C c.c.)</i>
	<i>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