



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

- **Product identifier**
- **Trade name:** IKOpro Flat Roof Renovator
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation** Solvent-based bitumen roof coating
- **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: 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.  
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.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

(Contd. on page 2)

**Trade name: IKOpro Flat Roof Renovator**

(Contd. of page 1)

- 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.

**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	0-2.5%
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 phrases 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.

(Contd. on page 3)

Trade name: **IKOpro Flat Roof Ren**

(Contd. of page 2)

- **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.  
Store at temperature between 0 °C and 35 °C.
- **Information about storage in one common storage facility:** No special measures 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 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 calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 4)

**Trade name: IKOpro Flat Roof Renovator**

(Contd. of page 3)

· **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

**9 Physical and chemical properties**

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

· **Appearance:**

· **Form:** Viscous

· **Colour:** Black

· **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 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:** 1.1 g/cm<sup>3</sup>

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

· **Viscosity:**

· **Dynamic at 20 °C:** 25000 mPas

· **Kinematic:** Not determined.

· **Solvent content:**

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

Product contains 280 g/L.

· **Solids content:** 78.9 %

· **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.

(Contd. on page 5)

Trade name: **IKOpro Flat Roof Renovator**

(Contd. of page 4)

· **Hazardous decomposition products:**

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

## 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.

**Trade name: IKOpro Flat Roof Renovator**

(Contd. of page 5)

**14 Transport information**

· <b>UN-Number</b> · <b>ADR, IMDG</b>	UN1268
· <b>UN proper shipping name</b> · <b>ADR</b> · <b>IMDG</b>	UN 1268, PETROLEUM PRODUCTS, N.O.S. exemption according 2.2.3.1.5. UN 1268, Petroleum products nos, 3, III, (36 °C c.c.) 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, IMDG</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> · <b>Transport category</b> · <b>Tunnel restriction code</b>	5L 3 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.

(Contd. on page 7)

**Trade name: IKOpro Flat Roof Renovator**

**Abbreviations and acronyms:**

(Contd. of page 6)

*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*

**Version History.**

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

Version 2.0 April 13th 2017 Removed References to classifications under CHIP