



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:**
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.

(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 ³ 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 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/cm³

 · **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

· UN-Number · ADR, IMDG	UN1268
· UN proper shipping name · ADR · IMDG	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.
· Transport hazard class(es) · ADR, IMDG · Class	3 Flammable liquids.
· Packing group · ADR, IMDG	III
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Transport category · Tunnel restriction code	5L 3 D/E
· UN "Model Regulation":	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