


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

- **1.1 Product identifier**
- **Trade name:** ***IKOpro Roof & Gutter Repair Mastic***
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**
  - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
  - SU21 Consumer uses: Private households / general public / consumers
  - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
  - SU19 Building and construction work
- **Application of the substance / the mixture** Compound for Roofing Repairs
- **1.3 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 Email : Technical@IKOGROUP.CO.UK
- **1.4 Emergency telephone number:** +44 (0)1257 256864 Opening Times: 0900 - 1700 Monday to Friday

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
  - Flam. Liq. 3 H226 Flammable liquid and vapour.
  - Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **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.
- **2.2 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.
  - H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
  - P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  - P241 Use explosion-proof electrical/ventilating/lighting/equipment.
  - 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.

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- P403+P235      *Store in a well-ventilated place. Keep cool.*  
P501              *Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **Additional information:**  
*Contains Amidoamine. May produce an allergic reaction.*

**SECTION 3: Composition/information on ingredients**

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

· **Dangerous components:**

|  |   |        |
|--|---|--------|
| EC number: 919-857-5<br>Reg.nr.: 01-2119463258-33                    | <i>hydrocarbons, C9-C11, n-alkanes, isoalkanes cyclic, &lt;2% aromates</i><br><br><i>Flam. Liq. 3, H226</i><br><i>Asp. Tox. 1, H304</i><br><i>STOT SE 3, H336</i>                                 | 10-25% |
| CAS: 64742-95-6<br>EC number: 918-668-5<br>Reg.nr.: 01-2119455851-35 | <i>Solvent naphtha (petroleum), light arom.</i><br><br><i>Flam. Liq. 3, H226</i><br><i>Asp. Tox. 1, H304</i><br><i>Aquatic Chronic 2, H411</i><br><i>Acute Tox. 4, H332; STOT SE 3, H335-H336</i> | 5-10%  |
| CAS: 84082-48-4  | <i>Amidoamine</i><br><i>C R35; Xi R43; N R50/53</i><br><i>Skin Corr. 1A, H314</i><br><i>Aquatic Acute 1, H400; Aquatic Chronic 1, H410</i><br><i>Skin Sens. 1, H317</i>                           | 0-2.5% |

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

**SECTION 4: First aid measures**

- **4.1 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.*  
 · **4.2 Most important symptoms and effects, both acute and delayed** *No further relevant information available.*  
 · **4.3 Indication of any immediate medical attention and special treatment needed**  
*No further relevant information available.*

**SECTION 5: Firefighting measures**

- **5.1 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*  
 · **5.2 Special hazards arising from the substance or mixture** *Not applicable.*  
 · **5.3 Advice for firefighters**  
 · **Protective equipment:** *Wear self-contained respiratory protective device.*

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### **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
*Wear protective equipment. Keep unprotected persons away.*
- **6.2 Environmental precautions:**  
*Inform respective authorities in case of seepage into water course or sewage system.*
- **6.3 Methods and material for containment and cleaning up:**  
*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*
- **6.4 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.*

### **SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** *Ensure good ventilation/exhaustion at the workplace.*
- **Information about fire - and explosion protection:**  
*Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *Store only in the original receptacle.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:**  
*Keep container tightly sealed.  
Protect from heat and direct sunlight.*

### **SECTION 8: Exposure controls/personal protection**

- **Additional information about design of technical facilities:** *No further data; see item 7.*
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*
- **Additional information:** *The lists valid during the making were used as basis.*
- **8.2 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.*
- **Eye protection:** *Safety glasses*

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### SECTION 9: Physical and chemical properties

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

· **Appearance:**

- **Form:** Pasty
- **Colour:** Black
- **Odour:** Solvent-like
- **pH-value:** Not determined.

· **Change in condition**

- **Boiling point/Boiling range:** Undetermined.
- **Flash point:** 36 °C
- **Ignition temperature:** 450 °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:** 1.15 g/cm<sup>3</sup>

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

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

· **Viscosity:**

- **Dynamic:** 300-380 Pa.s (50 °C)

· **Solvent content:**

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

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

### SECTION 10: Stability and reactivity

· **10.2 Chemical stability**

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

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

· **10.4 Conditions to avoid** No further relevant information available.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:**

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

### SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

**hydrocarbons, C9-C11, n-alkanes, isoalkanes cyclic, <2% aromates**

|      |      |                   |
|------|------|-------------------|
| Oral | LD50 | >5000 mg/kg (rat) |
|------|------|-------------------|

|        |      |                   |
|--------|------|-------------------|
| Dermal | LD50 | >5000 mg/kg (rab) |
|--------|------|-------------------|

|            |          |                  |
|------------|----------|------------------|
| Inhalative | LC50/4 h | >4951 mg/l (rat) |
|------------|----------|------------------|

**64742-95-6 Solvent naphtha (petroleum), light arom.**

|      |      |                   |
|------|------|-------------------|
| Oral | LD50 | >2000 mg/kg (rat) |
|------|------|-------------------|

|        |      |                   |
|--------|------|-------------------|
| Dermal | LD50 | >2000 mg/kg (rat) |
|--------|------|-------------------|

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Inhalative LC50/4 h >10.2 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.

## SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

64742-95-6 Solvent naphtha (petroleum), light arom.

EC50 ≤10 mg/l (daphnia)

84082-48-4 Amidoamine

EC50 0.1-1.0 mg/l (daphnia)

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:**

Generally not hazardous for water

Harmful to aquatic organisms

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

· **13.1 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.

## SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, IMDG**

UN1268

· **14.2 UN proper shipping name**

· **ADR**

UN 1268, PETROLEUM PRODUCTS, N.O.S.  
exemption according 2.2.3.1.5.

· **IMDG**

UN 1268, Petroleum products nos. 3, III, (36 °C c.c.)  
Transport in accordance with 2.3.2.5 of the IMDG code.

· **14.3 Transport hazard class(es)**

· **ADR, IMDG**

· **Class**

3 Flammable liquids.

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|   |   |
|---|---|
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG</b>                                     | <i>III</i>  |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>                    | <i>No</i>   |
| · <b>14.6 Special precautions for user</b>  | <i>Warning: Flammable liquids.</i>                |
| · <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | <i>Not applicable.</i>                            |
| · <b>Transport/Additional information:</b>  |   |
| · <b>ADR</b>  |   |
| · <b>Limited quantities (LQ)</b>  | <i>5L</i>   |
| · <b>Transport category</b>   | <i>3</i>  |
| · <b>Tunnel restriction code</b>  | <i>D/E</i>  |
| · <b>UN "Model Regulation":</b>   | <i>UN1268, PETROLEUM PRODUCTS, N.O.S., 3, III</i> |

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
*No further relevant information available.*
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

**SECTION 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.*  
H314 *Causes severe skin burns and eye damage.*  
H317 *May cause an allergic skin reaction.*  
H332 *Harmful if inhaled.*  
H335 *May cause respiratory irritation.*  
H336 *May cause drowsiness or dizziness.*  
H400 *Very toxic to aquatic life.*  
H410 *Very toxic to aquatic life with long lasting effects.*  
H411 *Toxic to aquatic life with long lasting effects.*

**Abbreviations and acronyms:**

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  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A  
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
Asp. Tox. 1: Aspiration hazard, Hazard Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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**Version History.**

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