



# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 14.12.2023

Version number 5 (replaces version 4)



Revision: 14.12.2023

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

- **1.1 Product identifier**
- **Trade name: IKOpro Roofing Felt Adhesive**
- **UFI:** YD40-X0R6-U007-JNSU
- **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**
  - Cold bitumen adhesive for bonding bitumen membranes
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  - IKO Europe nv
  - d'Herbouvillekaai 80
  - B-2020 Antwerpen
  - Belgium
  - Tel.: +32 (0)3 248 30 00
  - E-mail: sds.europe@iko.com
- **Further information obtainable from:**
  - National Poisons Information Service UK: England and Wales: 0845 4647 Scotland: 08454 24 24 24; National Poisons Information Centre Ireland: +00 353 (0) 1 837 9964 or +00 353 (0) 1 809 2566. NPIS & NPIC services are provided exclusively for healthcare professionals working in NHS.
- **1.4 Emergency telephone number:**
  - United Kingdom National Poisons Information Service (+44) 844 892 0111 - 0344 892 0111
  - Ireland National Poisons Information Centre Tel: +353 1 8092566
  - Emergency call only for healthcare professionals

### 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.
  - STOT SE 3 H336 May cause drowsiness or dizziness.
  - Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
  - The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**

GHS02 GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**
  - hydrocarbons, C9-C11, n-alkanes, isoalkanes cyclic, <2% aromates
  - Hydrocarbons, C9, aromates
- **Hazard statements**
  - H226 Flammable liquid and vapour.
  - H336 May cause drowsiness or dizziness.
  - H412 Harmful to aquatic life with long lasting effects.

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### Precautionary statements

- P102 Keep out of reach of children.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P241 Use explosion-proof [electrical/ventilating/lighting] equipment.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

### 2.3 Other hazards

### Results of PBT and vPvB assessment

#### PBT:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### Determination of endocrine-disrupting properties

The product does not contain substances with endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Description:** Mixture of complex substances derived from petroleum and aromatic hydrocarbons.

#### Dangerous components:

EC number: 919-857-5 Reg.nr.: 01-2119463258-33	hydrocarbons, C9-C11, n-alkanes, isoalkanes cyclic, <2% aromates Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH066 Note: H, P	10-25%
CAS: 128601-23-0 EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons, C9, aromates Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336 EUH066 Note: H, P, 4	≥10-<25%

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information:

Immediately remove any clothing soiled by the product.  
 When in doubt or if symptoms are observed, seek medical advice.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

#### After skin contact:

Generally the product does not irritate the skin.  
 Immediately wash with water and soap and rinse thoroughly.

#### After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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- **After swallowing:**  
Rinse mouth.  
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:**  
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
- **5.2 Special hazards arising from the substance or mixture**  
Not applicable.  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### 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:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **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** 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.
- **7.2 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:** No special measures required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Protect from heat and direct sunlight.

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### SECTION 8: Exposure controls/personal protection

#### 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.

#### DNELs

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

Dermal DNEL 208 mg/kg bw/dag (worker)

Inhalative DNEL 871 mg/m<sup>3</sup> (worker)

##### CAS: 128601-23-0 Hydrocarbons, C9, aromates

Dermal DNEL 25 mg/kg bw/dag /systemic eff (worker)

Inhalative DNEL 150 mg/m<sup>3</sup> /systemic ef (worker)

**Additional information:** The lists valid during the making were used as basis.

#### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see section 7.

**Individual protection measures, such as 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.

**Hand protection** Solvent resistant gloves

##### Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.38$  mm

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

&gt; 480 min.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

##### Eye/face protection



Tightly sealed goggles

**Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

**Colour:** Black

**Odour:** Solvent-like

**Melting point/freezing point:** Undetermined.

**Boiling point or initial boiling point and boiling range**

165-181 °C (CAS: 128601-23-0 Hydrocarbons, C9, aromates)

##### Lower and upper explosion limit

**Lower:** 0.5 Vol % (Bitumen)

**Upper:** 7 Vol % (CAS: 128601-23-0 Hydrocarbons, C9, aromates)

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- **Flash point:** 41 °C (hydrocarbons, C9-C11, n-alkanes, isoalkanes cyclic, <2% aromates)
- **Auto-ignition temperature:** 237 °C (hydrocarbons, C9-C11, n-alkanes, isoalkanes cyclic, <2% aromates)
- **pH** Not applicable.  
Mixture is non-soluble (in water).
- **Viscosity:**
- **Kinematic viscosity at 40 °C** 500-1,000 mm<sup>2</sup>/s
- **Dynamic:** 500 - 1000 cPs (40°C)  
Not determined.
- **Solubility**
- **water:** Insoluble.
- **organic solvents:** Miscible with many organic solvents.
- **Vapour pressure at 20 °C:** 2 hPa (hydrocarbons, C9-C11, n-alkanes, isoalkanes cyclic, <2% aromates)
- **Density and/or relative density**
- **Density at 20 °C:** 0.93 g/cm<sup>3</sup>

- **9.2 Other information**
- **Appearance:**
- **Form:** Viscous
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Solvent content:**
- **VOC (EC)** VOC limit value (cat A/h) 750 g/L 2010.  
Product contains 330 g/L.

- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Flammable liquid and vapour.
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Stable at environment temperature.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.

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- **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 hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### • LD/LC50 values relevant for classification:

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

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rab)

**CAS: 128601-23-0 Hydrocarbons, C9, aromates**

Oral	LD50	3,492 mg/kg (rat)
Dermal	LD50	3,160 mg/kg (rab)
Inhalative	LC50/4 h	6.2 mg/l (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

#### • Endocrine disrupting properties

None of the ingredients is listed.

### SECTION 12: Ecological information

#### • 12.1 Toxicity

##### • Aquatic toxicity:

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

EL0	1,000 mg/l /48h (Daphnia magna)
EL50	>1,000 mg/l /72h (fish)

**CAS: 128601-23-0 Hydrocarbons, C9, aromates**

EC50	≤10 mg/l (Daphnia magna)
EL50	3.2 mg/l /48h (Daphnia magna)

- **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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Toxic for fish

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• **Additional ecological information:**

• **General notes:**

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

## 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 or ID number**

• **ADR, IMDG, IATA**

UN1133

• **14.2 UN proper shipping name**

• **ADR**

UN1133 ADHESIVES

• **IMDG**

UN 1133, Adhesives, 3, (43°C)

Transport in accordance with 2.3.2.5 of the IMDG code.

• **IATA**

ADHESIVES

• **14.3 Transport hazard class(es)**

• **ADR, IMDG, IATA**



• **Class**

3 Flammable liquids.

• **Label**

3

• **14.4 Packing group**

• **ADR, IMDG, IATA**

III

• **14.5 Environmental hazards:**

• **Marine pollutant:**

Yes

• **14.6 Special precautions for user**

Warning: Flammable liquids.

• **Hazard identification number (Kemler code):**

30

• **EMS Number:**

F-E,S-D

• **Stowage Category**

A

• **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

• **Transport/Additional information:**

• **ADR**

• **Limited quantities (LQ)**

5L

• **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

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•	ml
• <b>Transport category</b>	3
• <b>Tunnel restriction code</b>	D/E
• <b>IMDG</b>	
• <b>Limited quantities (LQ)</b>	5L
• <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
• <b>UN "Model Regulation":</b>	UN 1133 ADHESIVES, 3, III

## SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**  
This product does not contain any SVHC's.
- **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.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.  
EUH066 Repeated exposure may cause skin dryness or cracking.
- **Department issuing SDS:** Product safety department
- **Contact:** sds.europe@iko.com
- **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 relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised 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)  
DNEL: Derived No-Effect Level (UK REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern

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vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

GB