

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:**
Rince 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:**
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.
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)
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Inhalative	DNEL	871 mg/m ³ (worker)
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CAS: 128601-23-0 Hydrocarbons, C9, aromates

Dermal	DNEL	25 mg/kg bw/dag /systemic eff (worker)
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Inhalative	DNEL	150 mg/m ³ /systemic ef (worker)
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· 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: ≥ 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

> 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

0.5 Vol % (Bitumen)

· Lower: 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 ² /s
· Dynamic:	500 - 1000 cPs (40°C)
· 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 ³
· 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**

• **Label** 3

3 Flammable liquids.

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)**

• **Excepted quantities (EQ)**

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

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

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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.**

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