

SAFETY DATA SHEET

IKOpro Roofing Felt Adhesive (RFA)

Version:4

Review date:12/01/10

R:1907/2006/EC - ISO 11014-1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation	IKOpro Roofing Felt Adhesive (RFA)
Use of the substance / preparation	Cold bitume adhesive for bonding of insulation panels.
Supplier:	Iko Europe nv d' Herbouvillekaai 80 B-2020 Antwerpen Belgium Phone: 00800 32 04 32 E-mail: patrick.hartmann@atab.be
Emergency phone number (to be used by the practising doctor):	UK - National Poisons Information Service Phone: 44 / 191 22 5131 B - Centre Antipoisons Tél: 070 / 245.245

2. HAZARDS IDENTIFICATION

Most important hazards:	Vapour / air mixture is flammable.
Specific hazards:	Repeated or prolonged exposure may cause: headache, skin irritation and irritation of mucous membranes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Description of the preparation:	Mixture of aliphatic and aromatic hydrocarbons and bitumen.
Component(s) contributing to the hazard:	<ul style="list-style-type: none">• naphta light aliphatic - aromatic - CAS nr:: .64742-82-1 Conc. (weight %):(%) : 10 < C <= 20 - Symbol(s): Xn N - R-phrase(s): 10-51/53-65-66-67• solventnaphta 100 - CE nr:: 265-199-0 - CAS nr:: .64742-95-6 Conc. (weight %):(%) : 5 < C <= 10 - Symbol(s): Xn N - R-phrase(s): 10-37-65-66-67-51/53

4. FIRST AID MEASURES

General advice:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.
Skin contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.
Eye contact:	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.
Ingestion:	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	alcohol-resistant foam, carbon dioxide (CO2), powder, water spray.
Extinguishing media which must NOT be used for safety reasons:	Do not use water jet.
Specific method(s):	Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
Specific fire hazard(s):	As the product contains combustible organic components: - Fire will produce dense black smoke. - Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.
Special protective equipment for fire-fighters:	Use a self-contained breathing apparatus and also a protective suit.

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6. ACCIDENTAL RELEASE MEASURES

- Personal precaution(s): As the product contains combustible organic components: Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.
- Environmental precaution(s): Do not allow to enter drains or water courses.
If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.
- Method(s) for cleaning up: Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth
Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).
Clean preferably with a detergent - Avoid the use of solvents.

7. HANDLING AND STORAGE

Handling

- Precaution(s): As the product contains combustible organic components: Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air.
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.
Smoking, eating and drinking is prohibited in areas of storage and use.
For personal protection, see Section 8.
The Manual Handling Operations Regulations may apply to the handling of containers of this product. Refer to the guide weight indicated on the container when carrying out assessments.
- Technical condition(s): The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
Electrical equipment should be protected to the appropriate standard.
- Safe handling advice(s): Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used.
Avoid skin and eye contact. Avoid inhalation of vapour and spray mist.
Never use pressure to empty: the container is not a pressure vessel. Always keep in containers made of the same material as the supply container.

Storage

- Precaution(s): Observe the label precautions.
No smoking. Prevent unauthorised access.
- Storage condition(s): Store at temperatures between 0°C and 35°C
Containers which are opened should be properly resealed and kept upright to prevent leakage.
- Packaging / tank material: made of the same material as the supply container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measure(s): Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn.
- Control parameter(s):
- Exposure limit(s): Values according to:
compound nr: 1 - T.L.V.-T.W.A. = 100 ppm
- Personal protection equipment:
- Respiratory protection: Air-fed respiratory protective equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit breathing apparatus with filter A2.
- Hand protection: Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

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- When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. nitrile rubber gloves, neoprene gloves, Latex gloves.
- Skin and body protection: The personnel should wear protective clothing.
 - Eye protection: Eye protection designed to protect against liquid splashes should be worn.
 - Hygiene measure(s): Do not eat, drink, or smoke during work.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

- Appearance: paste
- Colour: black
- Odour: hydrocarbon-like

Important health, safety and environmental information

- PH: Not applicable.
- Boiling point/range: Not determined.
- Flash point: 42 °C
- Explosion limits: 0.6 % (V/V)
- Relative density (water = 1): 0.96
- Viscosity: 0.01
- Water solubility: immiscible
- Fat solubility: Not applicable.
- Solvent solubility: partly soluble

10. STABILITY AND REACTIVITY

- Stability: Stable under the recommended storage and handling conditions. (See Section 7).
- Hazardous decomposition products: Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

11. TOXICOLOGICAL INFORMATION

- General information(s): There is no data available on the product itself.
- Acute toxicity
- Inhalation: Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
- Skin contact: 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.
- Eyes contact: Splashes in the eyes may cause irritation and reversible local damage.
- Ingestion: There is no data available on the product itself.

12. ECOLOGICAL INFORMATION

- General information(s): There is no data available on the product itself.
The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.
- Environmental toxicity: There is no data available on the product itself.
- Other adverse effects

13. DISPOSAL CONSIDERATIONS

- Waste / unused products: Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.
- Contaminated packaging: Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

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Further Information(s):

14. TRANSPORT INFORMATION

UN number 1133

Land (Road / Railway: ADR/RID)

- Proper shipping name: ADHESIVES
- Hazard class: 3
- Packing group: III
- ADR/RID-Labels: 3
Environmentally hazardous substance
- Code danger: 30
- Classification code: F1 640E
- Packing instructions: P001-IBC03-LP01-R001 -/- PP1 MP19
LQ7-E1

Sea (IMDG)

- Proper shipping name: UN 1133, Adhesives, (Contains solvent naphtha and white spirit mixture)3, III,(42°C c.c.) MARINE POLLUTANT
- Class: 3
- Packaging group: III
- Marine pollutant: yes
- IMDG-Label(s): 3
- Packing instructions: P001 - PP1 - LP01 - IBC03

Air (ICAO/IATA)

15. REGULATORY INFORMATION

Labelling: According to european directives on classification, packaging and labelling of dangerous substances

EC number: Not applicable.

Symbol(s): N - Dangerous for the environment



R-phrase(s): 10 Flammable.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
66 Repeated exposure may cause skin dryness or cracking
67 Vapours may cause drowsiness and dizziness

S-phrase(s): 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Further information(s): VOC limit value (cat A/h) 750 g/L 2007; 750 g/L 2010
Product content 330 g/L

16. OTHER INFORMATION

According legislation(s): Information in this safety data sheet is in compliance with national laws and CE directives.

Text of R phrases listed in section 3: R10 Flammable.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapours may cause drowsiness and dizziness
R37 Irritating to respiratory system.

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Important remarks:

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and current national legislation it provides guidance on health safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Use of the substance / preparation

Cold bitume adhesive for bonding of insulation panels.

Restrictions:

The product should not be used for purposes other than those shown in Section 16 without first referring to the supplier and obtaining written handling instructions.

History

- First edition date: 12/03/07
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- Review date: 12/01/10
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