

# SAFETY DATA SHEET

## IKOpro Sprayfast FMA (Fleece Backed Membrane Adhesive) Red

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

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

- 1.1 Product identifier**  
IKOpro Sprayfast FMA (Fleece Backed Membrane Adhesive)
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Adhesive
- 1.3 Details of the supplier of the safety data sheet**  
IKO PLC  
Coney Green Business Park  
Coney Green Road  
Chesterfield  
Derbyshire S45 9HZ  
Tel: 01257 488005  
Fax: 01246 868035  
www.ikogroup.co.uk
- 1.4 Emergency telephone number**  
Tel: 0844 412 7228 (available 08:30 to 17:00 weekdays)

### SECTION 2: Hazards Identification

#### 2.1 Classification of the substance or mixture

Classification under CHIP: F: R11; Xi: R36/37/38; Xn: R40; Sens.: R42/43; Xn: R48/20

Classification under CLP: Carc. 2: H351; EyeIrrit. 2: H319; Flam. Aerosol 1: H222; Resp. Sens. 1: H334; SkinIrrit 2: H315; SkinSens. 1: H317; STOTRE 2: H373; STOTSE 2: H371; -: EUH204

Most important adverse effects: Highly flammable. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact.  
Harmful: danger of serious damage to health by prolonged exposure through inhalation.

#### 2.2 Label elements

##### Label elements under CLP:

Hazard statements:

H222: Extremely flammable aerosol

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

H351: Suspected of causing cancer

H371: May cause damage to organs

H373: May cause damage to organs through prolonged or repeated exposure

EUH204: Contains isocyanates. May produce an allergic reaction

Signal words: Danger

Hazard pictograms:

GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard



Precautionary statements:

P102: Keep out of reach of children

P211: Do not spray on an open flame or other ignition source

P251: Pressurized container: Do not pierce or burn, even after use

P260: Do not breathe dust/fumes/gas/mist/vapours/spray

P280: Wear protective gloves/protective clothing/eye protection/face protection

P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

#### Label elements under CHIP:

Hazard symbols:

Flammable

Harmful



Risk phrases:

R11: Highly flammable.

R36/37/38: Irritating to eyes, respiratory system and skin.

R40: Limited evidence of a carcinogenic effect.

R42/43: May cause sensitisation by inhalation and skin contact.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety phrases:

S2: Keep out of the reach of children.

S36/37: Wear suitable protective clothing and gloves.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S46: If swallowed, seek medical advice immediately and show this container or label.

S51: Use only in well-ventilated areas.

S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest

Precautionary phrases:

Contains isocyanates. See information supplied by the manufacturer.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition- No smoking. Keep out of the reach of children.

25% by mass of the contents are flammable.

### 2.3 Other hazards

PBT: This product is not identified as a PBT substance.

### SECTION 3: Composition / Information on Ingredients

#### 3.1 Mixtures

	EINECS	CAS	CHIP Classification	CLP Classification	PERCENT
Dimethyl Ether	204-065-8	115-10-6	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%
Dichloromethane - Reach registered number(s): 01- 2119480404-41-	200-838-9	75-09-2	Xn: R40	Carc. 2: H351	10-30%
Diphenylmethane Diisocyanate (Isomers And Homologues) - Reach registered number(s): 01- 2119457014-47- 0000	-	9016-87-9	Xn: R20; Xi: R36/37/38; Xn: R40; Sens.: R42/43; Xn: R48/20	Carc. 2: H351; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; SkinSens. 1: H317; STOT SE 2: H371; STOT RE 2: H373	10-30%

### SECTION 4: First Aid Measures

#### 4.1 Description of first aid measures

Skin contact: Remove from skin with paper or towel. Wash effected area thoroughly with soap and water. Seek medical advice if symptoms persist.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

#### 4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat. There may be shortness of breath due to congestion of the lungs.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath

Delayed/ immediate effects: No data available.

#### 4.3 Indication of any immediate medical attention and special treatments needed

Immediate/ special treatment: Show this safety data sheet to the doctor in attendance.

### SECTION 5: Firefighting Measures

#### 5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

#### 5.2 Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

### 5.3 Advice for fire fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## SECTION 6: Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing- see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2 Environmental precautions

Do not discharge into drains or rivers. Alert the neighbourhood to the presence of fumes or gas. Contain the spillage using bunding.

### 6.3 Methods and materials for containment and clearing up

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4 References to other sections

Refer to section 13 of SDS.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Handling requirements: Ensure there is exhaust ventilation of the area. Avoid the formation or spread of mists in the air.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well-ventilated area. Keep container tightly closed. Keep away from sources of ignition. Ensure lighting and electrical equipment are not a source of ignition.  
Suitable packaging: Must only be kept in original packaging.

### 7.3 Specific end uses(s)

No special requirement.

## SECTION 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.02mg/m <sup>3</sup>	0.07mg/m <sup>3</sup>	-	-

Hazardous Ingredients:

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
Dimethyl Ether				
UK	766 mg/m <sup>3</sup>	958 mg/m <sup>3</sup>	-	-
Dichloromethane				

UK	350 mg/m <sup>3</sup>	1060 mg/m <sup>3</sup>	-	-
<u>Diphenylmethane Diisocyanate (Isomers And Homologues)</u>				
UK	0.02 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>	-	-

DNEL/ PNEC: No data available

## 8.2 Exposure Controls

### Engineering measures:

Ensure there is exhaust ventilation of the area.

### Respiratory protection:

If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high level exposures, compressed airline breathing apparatus should be used.

### Hand protection:

Impermeable gloves. Avoid skin contact. For repeated exposure use Viton or 4H chemical gloves. For low exposure use nitrile gloves. The user has a legal duty to carry out a COSHH risk assessment to determine the correct glove.

### Eye protection:

Safety glasses. Ensure eye bath is to hand.

### Skin protection:

Protective clothing.

### Environmental:

No special requirement.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance: Aerosol

Colour: Pink

Viscosity: Characteristic odour

Evaporation rate: Fast

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Reacts with water

Viscosity: Non-viscous

Boiling point/range °C: >35

Flash point °C: <21

Relative density: 1.1

### 9.2 Other information

No data available.

## SECTION 10: Chemical Stability and Reactivity

### 10.1 Reactivity

Stable under recommended transport or storage conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

**10.4 Conditions to avoid**

Heat. Hot surfaces. Flames.

**10.5 Incompatible materials**

Strong oxidising agents. Strong acids.

**10.6 Hazardous decomposition products**

In combustion emits toxic fumes.

**SECTION 11: Toxicological Information****11.1 Information on toxicological effects****Toxicity values:**

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg
SKIN	RABBIT	LD50	>5000	mg/kg

**Hazardous Ingredients:****DICHLOROMETHANE**

ORAL	MUS	LD50	4770	mg/kg
ORAL	RAT	LD50	5350	mg/kg
SCU	MUS	LD50	6460	mg/kg

**DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)**

ORAL	RAT	LD50	10,000	mg/kg
SKIN	RABBIT	LD50	5,000	mg/kg

**Relevant effects for mixture:**

Effect	Route	Basis
Irritation	OPT INH DRM	Hazardous: calculated
Sensitisation	INH DRM	Hazardous: calculated
Repeated dose toxicity	INH	Hazardous: calculated

**Symptoms /routes of exposure:**

Skin contact: There may be mild irritation at the site of contact

Eye contact: There may be irritation and redness

Ingestion: There may be irritation of the throat. There may be shortness of breath due to congestion of the lungs

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath

Delayed/ immediate effects: No data available

Other information: Not applicable

**SECTION 12: Ecological Information****12.1 Toxicity****Ecotoxicity values:**

Species	Test	Value	Units
Algae	NOEC	550	mg/l
Fresh aquatic invertebrates	48H EC50	27	mg/l
Fresh water fish	96H LC50	193	mg/l
Marine aquatic invertebrates	48H EC50	109	mg/l
Marine water fish	96H LC50	97	mg/l

**12.2 Persistence and degradability**

Biodegradable in part only.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

Volatile.

**12.5 Results of PBT and vPvB assessment**

This product is not identified as a PBT substance.

**12.6 Other adverse effects**

No data available.

---

**SECTION 13: Disposal Considerations**

---

**13.1 Waste treatment methods**

Disposal operations: Wet waste: Arrange for disposal by a licenced waste disposal company

Waste code number: See packaging disposal

Disposal of packaging: Ensure containers are fully empty before discarding (explosion risk) leave the discharge valve open. Risk assess and if safe to do so fully drained containers should be pierced and then disposed of in line with local regulations. Use non sparking tool in a flame proof area. if in doubt treat as hazardous waste. Arrange for disposal by a licenced waste disposal company full or partial empty aerosol: 16 05 04. empty aerosol: 15 01 04(dry- no residue) empty aerosol: 15 01 10 (containing hazardous residues)

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

---

**SECTION 14: Transport Information**

---

**UN number:** UN3502

**UN proper shipping name:** Chemical under pressure, Toxic, N.O.S (Dimethyl ether; Dichloromethane)

**Transport Class:** 2 (6.1)

**Environmental hazards:**

Environmentally hazardous: No

**Special precautions for user:**

Tunnel code: C/D

Transport category: 1

---

**SECTION 15: Regulatory Information**

---

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Specific regulations: This product is classified as a mixture. CLP classification for information only. Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used

## 15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## SECTION 16: Other Information

### Other information:

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

### Phrases used in s.2 and 3:

EUH204: Contains isocyanates. May produce an allergic reaction.

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

H351: Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H371: May cause damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H373: May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

R11: Highly flammable.

R12: Extremely flammable.

R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R40: Limited evidence of a carcinogenic effect.

R42/43: May cause sensitisation by inhalation and skin contact.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**Disclaimer:** Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.