

## SAFETY DATA SHEET JOIST-IK

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

#### 1.1. Product identifier

Product name JOIST-IK

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Adhesive.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Mitek Industries Ltd  
Mitek House  
Grazebrook Industrial Park  
Peartree Lane  
Dudley  
DY2 0XW  
United Kingdom

Tel: +44 (0)1384 451400  
info@mitek.co.uk  
www.mitek.co.uk

#### 1.4. Emergency telephone number

Emergency telephone +44 (0)1384 451400 - Week Days 9am to 5:30pm

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1  
- H317 Carc. 2 - H351 STOT SE 3 - H335 STOT RE 2 - H373

Environmental hazards Not Classified

#### 2.2. Label elements

##### Hazard pictograms



Signal word Danger

Hazard statements H332 Harmful if inhaled.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.

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**Precautionary statements**

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P284 [In case of inadequate ventilation] wear respiratory protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/ container in accordance with national regulations.

**Contains** DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues

## 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>DIPHENYLMETHANEDIISOCYANATE -Isomers &amp; homologues</b>	<b>80-100%</b>
CAS number: 9016-87-9	

#### Classification

Acute Tox. 4 - H332  
Skin Irrit. 2 - H315  
Eye Irrit. 2 - H319  
Resp. Sens. 1 - H334  
Skin Sens. 1 - H317  
Carc. 2 - H351  
STOT SE 3 - H335  
STOT RE 2 - H373

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**Inhalation** Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion** Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

**Skin contact** Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eye contact** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

**Protection of first aiders** First aid personnel should wear appropriate protective equipment during any rescue.

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

**General information** Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. The product contains a sensitising substance.

**Inhalation** Coughing, chest tightness, feeling of chest pressure. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Harmful if inhaled. Irritation of nose, throat and airway. May cause sensitisation or allergic reactions in sensitive individuals.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Skin irritation. May cause sensitisation by skin contact.

**Eye contact** Irritation of eyes and mucous membranes.

#### 4.3. Indication of any immediate medical attention and special treatment needed

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**Notes for the doctor** Treat symptomatically. If in doubt, get medical attention promptly.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** No unusual fire or explosion hazards noted.

**Hazardous combustion products** Oxides of carbon. Oxides of nitrogen. Hydrogen cyanide (HCN). Hydrocyanic Acid Isocyanate

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Do not use in confined spaces without adequate ventilation and/or respirator. Protect from moisture.

**Advice on general occupational hygiene** Care should be taken to avoid contact with contaminants when removing contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

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

**Storage precautions** Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from moisture.

**Storage class** Chemical storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues

Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m<sup>3</sup>(Sen)

Short-term exposure limit (15-minute): WEL 0.07 mg/m<sup>3</sup>(Sen)

WEL = Workplace Exposure Limit

**DNEL** Not available.

**PNEC** Not available.

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles.

#### Hand protection

To protect hands from chemicals, gloves should comply with European Standard EN374. Wear protective gloves made of the following material: Butyl rubber. Thickness: ≥ 0.7 mm  
Nitrile rubber. Thickness: ≥ 0.4 mm Chloroprene rubber. Thickness: ≥ 0.5 mm

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

#### Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

#### Respiratory protection

Respiratory protection may be required if excessive airborne contamination occurs. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P2.

#### Environmental exposure controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid
<b>Colour</b>	Brown.
<b>Odour</b>	Musty (mouldy).
<b>Odour threshold</b>	Not applicable.
<b>pH</b>	Not applicable.
<b>Melting point</b>	<10°C
<b>Initial boiling point and range</b>	>200°C @ 1.013 mbar
<b>Flash point</b>	249°C
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not determined.

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Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not determined.
Vapour pressure	<0.01 Pa @ 25°C
Vapour density	Not applicable.
Relative density	1.20 @ 25°C
Bulk density	Not applicable.
Solubility(ies)	Not applicable.
Partition coefficient	Not determined.
Auto-ignition temperature	>530°C
Decomposition Temperature	>230°C
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not applicable.

## 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity Protect from moisture. Polymerises on contact with water or moisture.

#### 10.2. Chemical stability

Stability Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Does not decompose when used and stored as recommended.

#### 10.4. Conditions to avoid

Conditions to avoid Avoid contact with: Water, moisture.

#### 10.5. Incompatible materials

Materials to avoid Avoid contact with the following materials: Water, moisture.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Oxides of carbon. Oxides of nitrogen. Hydrogen cyanide (HCN). Hydrocyanic Acid

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 12.36

##### Skin corrosion/irritation

Skin corrosion/irritation Irritating to skin.

##### Serious eye damage/irritation

Serious eye damage/irritation Causes eye irritation.

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## Respiratory sensitisation

**Respiratory sensitisation** Sensitising.

## Skin sensitisation

**Skin sensitisation** Sensitising.

## Carcinogenicity

**Carcinogenicity** Contains a substance which may be potentially carcinogenic.

## **General information**

Contains isocyanates. May produce an allergic reaction.

## **Inhalation**

Irritating to respiratory system. Harmful if inhaled. May cause sensitisation by inhalation.

## **Ingestion**

May cause discomfort if swallowed.

## **Skin contact**

Causes skin irritation.

## **Eye contact**

Irritating to eyes.

## **Route of exposure**

Skin and/or eye contact. Inhalation

## **Target organs**

Respiratory tract Skin Eyes

## **SECTION 12: Ecological information**

### **Ecotoxicity**

Not regarded as dangerous for the environment.

### **12.1. Toxicity**

### **12.2. Persistence and degradability**

### **12.3. Bioaccumulative potential**

#### **Bioaccumulative potential**

Bioaccumulation is unlikely.

#### **Partition coefficient**

Not determined.

### **12.4. Mobility in soil**

### **12.5. Results of PBT and vPvB assessment**

#### **Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

### **12.6. Other adverse effects**

#### **Other adverse effects**

Not applicable.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal methods**

Collect and place in suitable waste disposal containers and seal securely. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Dispose of waste via a licensed waste disposal contractor.

#### **Waste class**

The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

## **SECTION 14: Transport information**

### **General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

Not applicable.

### **14.2. UN proper shipping name**

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Not applicable.

## 14.3. Transport hazard class(es)

No transport warning sign required.

## 14.4. Packing group

Not applicable.

## 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

## 14.6. Special precautions for user

Not applicable.

## 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

## **SECTION 15: Regulatory information**

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

**EU legislation** (EU) No 2015/830

**Guidance** Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## **SECTION 16: Other information**

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

**Version number**

**SDS number** 21060

**Hazard statements in full**

- 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.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.