

Please note: This is the MSDS provided by the supplier of these goods to FIBRECRAFTS. FIBRECRAFTS does not have the qualifications necessary to gather such specialised data.

Tel: 01483 565800

Page 1 of 4

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Eka Chemicals Ltd.
304 Worle Parkway, Worle
Weston-Super-Mare, BS22 OWA
Tel: 01934 522244
Fax: 01934 522577

Product Name : **Keydime 31 XL**
Product Type : Cationic aqueous dispersion of alkyl ketene dimers.
Intended Use : Sizing agent for paper and board manufacture.

Emergency contact: UK Emergency Advice, Tel: 07767 892053
Emergency Response Center, Tel: Int + 46 8 337043

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous ingredient</u>	<u>CAS nr.</u>	<u>Content</u>	<u>R-phrases</u>	<u>Classification</u>
Alkyl Ketene Dimer.	84989-41-3	> 1%	R43	Xi

3. HAZARD IDENTIFICATION

Hazard Classification: -

Summary: In view of the nature of the product and the manner in which it is stored and handled, the most likely exposure routes are by skin and eye contact. The product may cause slight eye and skin irritation.

Environmental Classification: None known.

4. FIRST AID MEASURES

Inhalation: Remove patient to fresh air and seek medical attention if breathing becomes difficult.

Skin Contact: Wash off contamination with soap and water. Seek medical attention if irritation persists. Remove all contaminated clothing which should be laundered before reuse.

Eye Contact: Immediately wash eye thoroughly with excess water. Seek medical attention if irritation persists.

Ingestion: Rinse mouth and drink water. If large quantities have been swallowed, obtain medical attention. DO NOT INDUCE VOMITING.

Medical Note: None.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Does not present a fire hazard.

Special Protective: None.

Unsuitable Extinguishing: Media Not applicable.

Special Exposure: None.

6. ACCIDENTAL RELEASE MEASURES

Large Spillages: Contain and adsorb with sand or earth Transfer to a suitable container for disposal

Small Spillages: Wash away to drains if acceptable to local authorities.

Personal Protection: Rubber/PVC gloves and full working clothes. Goggles recommended.

7. HANDLING AND STORAGE

Handling: Handle and store in well ventilated conditions as product contains traces of toluene as an impurity.

Storage: Store in polythene-lined mild steel drums, polyethene drums, plastic, glass and stainless steel. Store between 5 and 25°C. Protect from freezing.

Materials to Avoid: Mild steel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection

Respiration: Not applicable under normal conditions of use. However good ventilation should be provided in working areas.

Skin Contact: Use rubber/PVC gloves and full working clothes. Contaminated clothing should be laundered before re-use.

Eye Contact: Goggles and eyewash station recommended.

9. STABILITY AND REACTIVITY

Hazardous: Decomposition None.

Conditions to Avoid: Frost may lead to container rupture and leakage.

Materials to Avoid: None known.

Hazardous Reactions: None.

10. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Form:	Liquid
Colour:	Milky white
Odour:	Faint

SAFETY RELEVANT DATA

pH:	2.5 to 4.5 (commercial product)
Melting\Boiling Point:	mpt 0°C, bpt 100°C.
Viscosity:	No information.
Flash Point:	Not applicable.
Autoflammability:	Will not auto ignite.
Vapour Pressure:	As water
Density:	1000 ± 10 kg/m ³ .
Bulk Density:	Not applicable.
Solubility:	Infinitely dispersible in water.
Partition Coefficient:	Not known
Air Contamination limit	No information.

Explosion Properties: Not applicable.

11. TOXICOLOGICAL INFORMATION

** Estimated from analogous data*

Acute Toxicity: LD50 (oral,rat) >2000 mg/kg.*

IRRITATION DATA

Skin: May cause slight irritation.*

Eyes: May cause slight irritation.*

Sensitisation Data: Tests on the commercial product have shown it not to be a sensitizer by skin contact. (Guinea-Pig Maximization Test, OECD 406)*

Long Term Effects: No information.

Additional Information: Inhalation of aerosols or mist may cause irritation to the respiratory passages due to the low pH.

12. ECOLOGICAL INFORMATION

* Estimated from analogous data

Biodegradability: 32% after 28 days. (OECD 301B)*

Aquatic Toxicity: Acute toxicity to fish: LC50 (96 hour, *Leuciscus idus*) > 1000 mg/l. NOEC > 1000 mg/l. OECD 203*
Acute toxicity to Daphnia: EC50 (24 hour) > 100 mg/l. EC50 (48 hour) > 100 mg/l. NOEC > 100 mg/l.*
Algal Growth Inhibition test: EC50 (72 hour) > 100 mg/l. NOEC > 100 mg/l. OECD 201*

Other Information: No information.

WGK Value: No information.

13. DISPOSAL CONSIDERATIONS

Product Disposal: May be disposed of by landfill or by incineration, subject to local authorisation using licenced contractors.

Packaging Disposal: As for product.

Waste Catalogue No: Not known

14. TRANSPORT INFORMATION

Summary: Not classified as dangerous for transport.

UN Number: - **Sea Transport (IMDG):** -

Road Rail (ADR/RID): - **IATA/ICAO(Air):** -

Proper Shipping Name:

Goods Description:

15. REGULATORY INFORMATION

EEC Classification: Not classified as dangerous under Council Directive 88/379/EEC.

SYMBOL

R-phrases -

S-phrases: -

16. OTHER INFORMATION

Disclaimer

The information provided in this safety data sheet relates only to this specific product and may not be valid for the product if used with other materials in any process. The information is, at the time of publication, to the best of the Company's knowledge and belief, accurate and reliable. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability for his own purpose.

Reference: 068-2/2