



SAFETY DATA SHEET

A FAMILY OF SOLUTIONS

ACCORDING TO DIRECTIVE 2001/58/EC

ZEOLEX® 123

REVISION NUMBER: 2.3

REVISION DATE: 15/09/2005

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ZEOLEX® 123

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PRODUCT USE: Paper Coatings, Fillers

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	EINECS Number	CAS Number	%W/W	EC Classification
Sodium aluminosilicate	215-684-8	1344-00-9	95-99	Not classified as a dangerous substance
Sodium sulfate	231-820-9	7757-82-6	1-5	Not classified as a dangerous substance

3. HAZARDS IDENTIFICATION

EC CLASSIFICATION: This product is not classified as dangerous according to Directive 1999/45/EC.

MOST IMPORTANT HAZARDS: Nuisance dust. May dry skin and mucous membranes.

4. FIRST-AID MEASURES

EYE CONTACT: Hold eyelids apart and flush eyes with a steady, gentle stream of water for several minutes.

SKIN CONTACT: Wash skin with soap and water.

INGESTION: Rinse mouth with water. Do not induce vomiting.

INHALATION: Remove person to fresh air.

GENERAL ADVICE: In case of doubt or when symptoms persist, seek medical attention.

5. FIRE-FIGHTING MEASURES

- EXTINGUISHING MEDIA:** All extinguishing media can be used. Use suitable media appropriate for the surrounding fire.
- INAPPROPRIATE EXTINGUISHING MEDIA:** None.
- UNUSUAL FIRE & EXPLOSION HAZARDS:** None.
- PROTECTIVE MEASURES:** Use protective equipment appropriate for surrounding materials.

6. ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS:** Avoid dust formation. In case of exposure to high levels of airborne dust, wear a personal respirator in compliance with national legislation.
- ENVIRONMENTAL PRECAUTIONS:** This product does not present any particular risk to the environment. Refer to applicable national, state and local regulations prior to washing in drain.
- CLEAN UP METHODS:** Collect mechanically and / or by flushing with water. Avoid dry sweeping and use water spraying or ventilated vacuum system to prevent dust formation.

7. HANDLING AND STORAGE

- HANDLING:** Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.
- STORAGE:** Keep containers closed and protect from physical damage. Store in a dry area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES:

Components	EH40 OES TWA	EH40 OES STEL	EH40 MEL TWA	UK EH40 MEL (STEL)
Sodium aluminosilicate	2 mg/m ³ (as Al)			
Respirable dust	4 mg/m ³			4 ppm
Total dust	10 mg/m ³			10 ppm

- ENGINEERING CONTROLS:** Use mechanical ventilation (dilution and local exhaust) to control exposure.
- EYE PROTECTION:** Safety glasses with side shields
- SKIN AND BODY PROTECTION:** Use suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure potential.
- HAND PROTECTION:** Impervious gloves chemical resistant.
- RESPIRATORY PROTECTION:** In case of exposure to high levels of airborne dust, wear a personal respirator in compliance with national legislation.
- HYGIENE MEASURES:** Handle in accordance with good industrial hygiene and safety practice.
- ENVIRONMENTAL EXPOSURE:** This product does not present any particular risk to the environment. Refer to applicable national, state and local regulations prior to washing in drain.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White powder	ODOUR:	Odourless
pH	6,5-7,5 5% water suspension	FLASH POINT:	Non-combustible
DENSITY:	1.9 g/cm ³ , 20°C	WATER SOLUBILITY:	Insoluble
MELTING POINT:	Ca 1700°C		

10. STABILITY AND REACTIVITY

STABILITY:	Stable under ambient temperature (21°C) and pressure (760 mm Hg).
CONDITIONS TO AVOID:	None
MATERIALS TO AVOID:	None.
HAZARDOUS DECOMPOSITION PRODUCTS:	None

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	LD50 Oral (rat) > 5000 mg/kg LD50 Dermal (rat) > 2000 mg/kg
EYE IRRITATION:	Non-irritating.
SKIN IRRITATION:	Dries skin and mucous membranes.
INHALATION:	Dust may irritate the respiratory system.
INGESTION:	May cause discomfort if swallowed.
SENSITISATION:	Does not cause sensitisation.
CHRONIC TOXICITY:	No evidence of mutagenic, reproductive or carcinogenic effects

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	EC50 (Fish) > 1000 mg/l EC50 (Daphnia) = 1800 mg/l
MOBILITY:	Inert material
PERSISTENCE / DEGRADABILITY:	Non-degradable
BIOACCUMULATIVE POTENTIAL:	Inert material
OTHER ADVERSE EFFECTS:	None known.

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS: Dispose in accordance with local, state and national regulations.

14. TRANSPORT INFORMATION

UN NUMBER:	None
RID / ADR:	Not a dangerous substance
IMO / IMDG:	Not a dangerous substance.
ICAO / IATA:	Not a dangerous substance

15. REGULATORY INFORMATION

EC LABELLING:	This product is not classified as dangerous according to Directive 1999/45/EC and no warning label is required.
E-NUMBER:	554
FAO/WHO (JECFA):	-
FOOD CHEMICAL CODEX:	Sodium aluminosilicate
HARMONISED TARIFF CODE:	2842.1000
INCI (CTFA):	Sodium silicoaluminate

NATIONAL CHEMICAL INVENTORY LISTING:

AUSTRALIA AICS:	Silicic acid, aluminum sodium salt 1344-00-9, Sulfuric acid disodium salt 7757-82-6.
CANADA DSL/NDSL:	Silicic acid, aluminum sodium salt 1344-00-9, Sulfuric acid disodium salt 7757-82-6.
EUROPE EINECS:	Silicic acid, aluminum sodium salt 215-684-8, Sodium sulphate 231-820-9.
JAPAN ENCS:	-, Sulfuric acid, disodium salt (1)-501.
KOREA KECI:	Silicic acid, aluminium sodium salt KE-30974, Sodium sulfate KE-31609.
UNITED STATES TSCA:	Silicic acid, aluminum sodium salt 1344-00-9, Sulfuric acid disodium salt 7757-82-6.

16. OTHER INFORMATION

R-PHRASES: None

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End of Safety Data Sheet