

MATERIAL SAFETY DATA SHEET

KASTLE-MEYER REAGENT

1. IDENTIFICATION OF PRODUCT AND SUPPLIER

Product Name: Kastle-Meyer Reagent

Supplier: Scenesafe[®] Business Unit
2920 Trident Court
Solihull Parkway
Birmingham Business Park
BIRMINGHAM
B37 7YN

Tel: 0870 609 2385

2. COMPOSITION

Phenolphthalein
Potassium hydroxide
Zinc powder & granules
Distilled water

3. HAZARDS IDENTIFICATION

Corrosive. Causes severe burns.

Potential Health Effects: causes severe burns and irritation to eyes and skin. If ingested, causes severe internal irritation and damage.

4. FIRST AID MEASURES

Skin contact – In the case of skin contact, flood the splashed surface with large quantities of running water

Eye contact – If the substance has entered the eyes, wash out with water or saline solution for at least 15 minutes. *Obtain medical attention.*

Ingestion – If the chemical has been confined to the mouth, give large quantities of water as a mouthwash – ensure mouthwash is not swallowed. If the chemical has been swallowed, wash mouth out thoroughly with water and give about 250ml to dilute it in the stomach. *In severe cases, obtain medical attention.*

Inhalation – Not applicable.

5. FIRE FIGHTING MEASURES

Special risks – Material is not combustible.

Extinguishing media – Use extinguishing media appropriate to the surrounding fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal protection – Wear goggles/safety spectacles, gloves and protective clothing.

Spillages – Wash to drain with large amounts of water. Any absorbent material used should be placed into a chemical waste container and disposed of via a specialist chemical waste disposal stream.

Clean-up procedures – Wash the spillage site with water and soap/detergent.

7. HANDLING AND STORAGE

Handling precautions – Wear goggles/safety spectacles, gloves and protective clothing. Avoid contact with skin and eyes. Wash hands afterwards.

Storage precautions – Keep containers closed. Store in a refrigerator at 4°C away from incompatible materials (see section 10).

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal protection – Wear goggles/safety spectacles, gloves and protective clothing.

Exposure controls – Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colourless alkaline liquid.

Non-combustible.

pH strongly alkaline.

10. STABILITY AND REACTIVITY

Chemical Stability – Shelf life is 6 months if stored in a refrigerator at 4°C when not in use.

Conditions to avoid – Incompatible materials. Contact with acids and ammonium salts.

Chemical incompatibilities – (amongst others) metals, oxidising and reducing agents.



11. TOXICOLOGICAL INFORMATION

Health Effects

On skin – Material burns the skin.

On eyes – Material burns the eyes.

When inhaled – Not applicable.

By ingestion – If swallowed there is immediate severe irritation.

No carcinogenic or mutagenic properties identified.

12. ECOLOGICAL INFORMATION

Ecotoxicity Not available.

Persistence Not available

Appraisal Not available.

No environmental hazard is anticipated providing that the material is handled and disposed of with due care and attention.

13. DISPOSAL CONSIDERATIONS

Waste disposal – Chemical residues are generally classified as special waste and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice or use a recognised Special Waste disposal scheme.

14. TRANSPORT INFORMATION

Proper Shipping Name: Caustic Alkali Liquid, NOS (Kastle-Meyer Reagent)

UN Number: 1719

Class: 8 (Corrosive)

Packing group: II

Secondary packaging must bear designation of goods, the UN number and the danger sign appropriate to the class, unless the primary container contains 500ml or less.

Ensure primary container is secure before transport. Place primary container in a secure secondary container.

Place in a transport vehicle so as to minimise the chance of contamination to driver or passengers in case of an accident.

15. REGULATORY INFORMATION

Classification and Symbol – CORROSIVE (C)

Risk phrases – R35 – Causes severe burns.

Safety phrases –

S2 – Keep out of reach of children.

S26 – In cases of contact with eyes,

rinse immediately with plenty of water and seek medical advice.

S37/39 – Wear suitable gloves and eye/face protection.

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

16. OTHER INFORMATION

Only to be used as intended by trained personnel.

Contains 20% potassium hydroxide.

This safety data sheet in no way constitutes the user's assessment of workplace risk as required by health and safety legislation.

Date of last revision:

1 August 2002

For enquiries and/or orders concerning Scenesafe® kits please contact the Scenesafe® Business Unit

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