

POTASSIUM HYDROXIDE FLAKE MATERIAL SAFETY DATA SHEET

REVISION DATE: May 2004

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Potassium Hydroxide Flake

Contact Information: Intaglio Printmaker
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2. HAZARDS IDENTIFICATION

Harmful if swallowed. Causes severe burns.
CLASSIFICATION (67/548)

3. COMPOSITION/INFORMATION ON INGREDIENTS

EU INDEX NO: 019-002-00-8
EC No: 215-181-3
CAS-No: 1310-58-3

4. FIRST-AID MEASURES

Inhalation

- Remove victim immediately from source of exposure.
- Provide rest, warmth and fresh air.
- Get medical attention if any discomfort continues.

Ingestion

- Immediately rinse mouth and drink plenty of water.
- Get medical attention immediately.

Skin Contact

- Immediately remove contaminated clothing.
- Rinse the skin immediately with lots of water.
- Get medical attention immediately.

Eye Contact

- May cause permanent damage if eye is not immediately irrigated.
- Make sure to remove any contact lenses from the eyes before rinsing.
- Promptly wash eyes with plenty of water while lifting the eye lids.
- Get medical attention immediately.
- Continue to rinse.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

- The product is non-combustible.
- Use fire-extinguishing media appropriate for surrounding materials.

Protective Measures in Fire

- Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

- Wear protective clothing as described in Section 8 of this safety data sheet.

Spill Clean Up Methods

- Avoid dust formation.
- Transfer to a container for disposal.
- Wash contaminated area with water.

7. HANDLING AND STORAGE

- Usage Precautions: Avoid spilling, skin and eye contact.
- Storage Precautions: Store in tightly closed original container in a dry and cool place.
- Storage Class: Corrosive storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Measures: Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit (WEL) is not exceeded.
- Respiratory Equipment: In case of inadequate ventilation use suitable respirator.
- Hand Protection: Wear protective gloves. Rubber or plastic
- Eye Protection: Wear approved safety goggles.
- Other Protection: Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.
- Hygiene Measures: Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Pellets
- Colour: Colourless to White
- Odour: Odourless
- Solubility Soluble in water.
- Boiling Point (°C): 1320
- Melting Point (°C): 360
- Relative Density: 2.0 pH-VALUE, DILUTED SOLUTION 14.5

10. STABILITY AND REACTIVITY

Stability

- Air and moisture sensitive.

Conditions to Avoid

- Reacts strongly with water.

Materials to Avoid

- Light metals (Formation of hydrogen).
- Alkali earth metals.
- Hydrocarbons - halogenated.
- Organic nitro compounds.
- Hydrocarbons.
- Acid anhydrides.
- Strong acids.
- Ammonium compounds (Formation of ammonia).

11. TOXICOLOGICAL INFORMATION

- TOXIC DOSE I - LD 50 273 mg/kg (oral rat)
- Inhalation: Burns to mucous membranes.
- Ingestion: Causes severe internal damage if swallowed.
- Skin Contact: Causes burns.
- Eye Contact: Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

UK Road Class: 8
Proper Shipping Name: POTASSIUM HYDROXIDE SOLID
UN NO. ROAD: 1813 UK ROAD PACK: GR. II
ADR CLASS NO. 8 ADR CLASS Class 8: Corrosive substances.
ADR Pack Group: II
ADR Label: NO. 8
HAZCHEM CODE: 2X
CEPIC TEC(R) NO: 80GC6-II+III
Rid Class No: 8
Rid Pack Group: II
UN NO. SEA: 1813
IMDG Class: 8
IMDG Page: NO. 8
IMDG Pack GR. II
EMS: F-A, S-B
MFAG: See Guide
Marine Pollutant: No.
UN NO. AIR 1813
Air Class: 8
Air Pack: GR. II

15. REGULATORY INFORMATION

Labelling

- Corrosive

Risk Phrases

- R22 Harmful if swallowed.
- R35 Causes severe burns.

Safety Phrases

- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- S1/2 Keep locked up and out of the reach of children.

Statutory Instruments: Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

Approved Code of Practice: Classification and Labelling of Substances and Preparations Dangerous for Supply.

COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

Guidance Notes: Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

National Regulations: Control of Substances Hazardous to Health Regulations 2002 (as amended)

16. OTHER INFORMATION

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.