

SAFETY DATA SHEET
POTASSIUM PERSULPHATE

Page 1

Issued: 14/04/00

Revision No: 1

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: POTASSIUM PERSULPHATE

Product code: PP

Use / description of product: Harmful. Solid.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: POTASSIUM PERSULPHATE >90%

3. HAZARDS IDENTIFICATION

Main hazards: Harmful if swallowed. Irritating to eyes. Contact with combustible material may cause fire. Contact with acids liberates toxic gas.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: It is unlikely that this substance will be swallowed due to its physical properties.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness. Convulsions may occur.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

[cont...]

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POTASSIUM PERSULPHATE**5. FIRE-FIGHTING MEASURES**

Extinguishing media: Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Mix with sand or vermiculite. If inside, transfer outside of building in suitable containers. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. Ensure safety shower is to hand.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Powder

Colour: White

Oxidising: Non-oxidising (by EC criteria)

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Direct sunlight. Heat. Air.

Materials to avoid: Reducing agents.

Haz. decomp. products: In combustion emits toxic fumes of sulphur oxides.

11. TOXICOLOGICAL INFORMATION**12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS**

Waste disposal: Cautiously add to an excess of well stirred water and ice. Neutralise with excess sodium bicarbonate solution.

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

[cont...]

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 1492
ADR Class: 5.1
Hazard ID no: 50
Labelling: 5.1
Shipping name: POTASSIUM PERSULPHATE

IMDG / IMO

UN no: 1492
Class: 5.1
Packing group: III
EmS: 5.1-06
Marine pollutant: NO
Labelling: 5.1

IATA / ICAO

UN no: 1492
Class: 5.1
Packing group: III
Packing instructions: 518
Quantity: 100 kg
Labelling: 5.1

15. REGULATORY INFORMATION

Hazard symbols: Harmful.
Oxidising.



Risk phrases: R22: Harmful if swallowed.
R36: Irritating to eyes.
R8: Contact with combustible material may cause fire.
R31: Contact with acids liberates toxic gas.

Safety phrases: S1/2: Keep locked up and out of the reach of children.
S22: Do not breathe dust.
S24: Avoid contact with skin.
S36/37: Wear suitable protective clothing and gloves.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. ADDITIONAL 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.