

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

Product name: SODIUM NITRATE
CAS number: 7631-99-4
EINECS number: 231-554-3
Synonyms: CHILE SALTPETRE
Company name: CHEMTEK LIMITED
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2. HAZARDS IDENTIFICATION

Main hazards: Contact with combustible material may cause fire. Harmful if swallowed.
Other hazards: Hygroscopic: readily absorbs water from air.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: SODIUM NITRATE 100.000%

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.
Inhalation: Absorption through the lungs can occur causing symptoms similar to those of ingestion.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes.
Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Carbon dioxide.

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: Refer to section 8 of SDS for personal protection details. Do not create dust. Mark out the contaminated area with signs and prevent access to unauthorised personnel. If outside do not approach from downwind.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Avoid direct contact with the substance.

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

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Respiratory protection: Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing. Boots made of PVC. Ensure safety shower is to hand.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Crystals

Colour: Colourless

Odour: Characteristic odour

Oxidising: Oxidising (by EC criteria)

Solubility in water: Highly soluble

Also soluble in: Most organic solvents.

Boiling point/range°C: 380

Melting point/range°C: 307

Relative density: 2.26

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

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Materials to avoid: Strong oxidising agents. Strong acids. Organic materials.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: SODIUM NITRATE
 IVN MUS LD50 175 mg/kg
 ORL RAT LD50 1267 mg/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Persistence and degradability: Biodegradable.
Bioaccumulative potential: No bioaccumulation potential.
Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

ADR / RID

UN no: 1498	ADR Class: 5.1
Packing group: III	Classification code: O2
Shipping name: SODIUM NITRATE	
Labelling: 5.1	Hazard ID no: 50



IMDG / IMO

UN no: 1498	Class: 5.1
Packing group: III	EmS: 5.1-06
Marine pollutant: NO	
Labelling: 5.1	

IATA / ICAO

UN no: 1498	Class: 5.1
Packing group: III	
Packing instructions: 516(P&CA); 518(PAO)	
Labelling: 5.1	

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15. REGULATORY INFORMATION

Hazard symbols: Oxidising.
Harmful.



Risk phrases: R8: Contact with combustible material may cause fire.
R22: Harmful if swallowed.

Safety phrases: S17: Keep away from combustible material.
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
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. 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.