



OAK INDUSTRIAL SUPPLIES

“THE INDUSTRIAL SUPPLIES PEOPLE”

HEALTH & SAFETY DATA SHEET

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SODIUM CHLORATE

INGREDIENTS

Sodium Chlorate 53%, Common Salt, Borax, Soda Ash.

PHYSICO CHEMICAL CHARACTERISTICS OF ACTIVE INGREDIENTS

Trade name: Sodium Chlorate
Chemical Name: None
Chemical Family: Inorganic Chlorate
Chemical Formula: ClN O3

Physical Form: Colourless Crystals
Melting Point: 248°C
Boiling Point: Decomposes at approximately 300°C
Vapour Pressure: Negligible at room temperature
Specific Gravity: 2.49 at 15°C

Corrosiveness: Corrosive to zinc and steel in presence of moisture
Solubility: 790g/litre in water at 100°C

PHYSICAL CHEMICAL CHARACTERISTICS OF PRODUCT

Product Use: Total Herbicide for None Crop Land
Method of Use: Make up solution as directed and apply to weeds
Physical Appearance: White Crystals
Specific Gravity:
PH: N/A
Refractive Index: N/A
Vapour Pressure: Negligible
Solubility:
Flash Point: None
Extinguishing Media: Water

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear protective clothing and breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARD: Explosion risk is negligible. Chlorate can be detonated when in intimate contact with organic materials. If involved in a fire, oxygen is given off increasing the rate of burning.

REACTIVITY DATA

Stability: Stable

Incompatibility: Inflammable organic materials e.g. solvents, oils and grease, ammonium compounds, sawdust.

Hazardous Decomposition: Mixing chlorate with acids can liberate toxic gases, e.g. chlorine

Hazardous Polymerization: Will not occur

SPILL OR LEAK PROCEDURE

Sweep up and place in clean, labelled container. Hose area down with water. Prevent run off to watercourses.

HEALTH HAZARD DATA

Ingestion: Rinse mouth immediately and drink 2-3 glasses of water or milk. Go to hospital if more than negligible amount has been swallowed.

Eye Contact: Wash out with copious water for 15 minutes. Seek medical advice if symptoms persist.

Skin Contact: Remove all contaminated clothes. Wash skin well, with soap and water.

Skin Absorption: Wash thoroughly with soap and water.

Inhalation: Fresh air.

Effects of over Exposure: Vomiting, abdominal pain, confusion, Methaemoglobinaemia, Haemolysis convulsion.

Emergency &
First aid procedure: If swallowed – induce vomiting by giving 2 tablespoonfuls of salt in a pint of warm water. Call doctor. Methaemoglobinaemia should be treated by intravenous methylene blue (5-25ml 1% solution). Maintain fluid intake and output at 2-4 litres in 24 hours. This will aid eliminations of chlorate. For renal damage extra corporeal dialysis may have to be employed. If in eyes, wash promptly with copious amounts of water for at least 15 minutes, irrigating gently. Call doctor if on skin. Flush plenty of water.

PROTECTION INFORMATION

Respiratory Protection: None
Ventilation: None
Hand Protection: Wash hands after use. Wear gloves if possible.
Eye Protection: None
Protective Clothing: None

SPECIAL PRECAUTIONS/COMMENTS

1. Wear waterproof coat and rubber boots when spraying.
2. Wash all protective clothing thoroughly after use.
3. Wash hands before meals.
4. When using, do not eat, drink or smoke.
5. Keep out of reach of children.
6. Keep in tightly closed original container in a safe place.
7. Do not contaminate ponds, waterways or ditches with chemical or used container.
8. Keep livestock out of treated areas for at least 2 weeks if poisonous weeds such as ragwort are present.
9. Empty container completely. Do not re-use.

Revised Date: 18/03/04