

**SAFETY DATA SHEET**  
POTASSIUM CHROMATE INDICATOR

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

**Product name:** POTASSIUM CHROMATE INDICATOR

**Product code:** RT1121

**Synonyms:** POTASSIUM CHROMATE INDICATOR    CODE NRR058

**Use / description of product:** Liquid. Toxic. The regulatory information is dependent upon the concentration limit of the specific substance. Please note the small quantity - and refer to additional information on the last page of this MSDS

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Ingredient 1:** POTASSIUM CHROMATE <10%

CAS: 7789-00-6

EINECS: 232-140-5

[T] R49; [T] R46; [Xi] R36/37/38; [Sens.] R43; [N] R50/53;

**3. HAZARDS IDENTIFICATION**

**Main hazards:** May cause sensitisation by skin contact. May cause cancer by inhalation. May cause heritable genetic damage.

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** Irritation or pain may occur at the site of contact.

**Eye contact:** There may be irritation and redness. There may be severe pain.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. 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.

**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. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible.

[cont...]

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

**Exposure hazards:** Toxic. 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.

**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. Wash the spillage site with large amounts of water.

**7. HANDLING AND STORAGE**

**Handling requirements:** Avoid direct contact with the substance.

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

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Respiratory protection:** Self-contained breathing apparatus must be used in handling.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles. Ensure eye bath is to hand.

**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:** Liquid

**Colour:** Yellow

**Odour:** Odourless

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Miscible in all proportions

**pH:** 7

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Direct sunlight. Heat.

**Materials to avoid:** Reducing agents.

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

**11. TOXICOLOGICAL INFORMATION**

**Routes of exposure** May cause sensitisation by skin contact. May cause cancer by inhalation.

**12. ECOLOGICAL INFORMATION**

**Mobility:** Soluble in water.

**Persistence and degradability:** Not biodegradable.

**Bioaccumulative potential:** Bioaccumulation potential.

**Other adverse effects:** Toxic to aquatic organisms.

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**Waste disposal:** Transfer to waste solvent drum for collection by specialist disposal company.

**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.

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** 3287

**ADR Class:** 6.1

**Hazard ID no:** 60

**Labelling:** 6.1

**Shipping name:** TOXIC LIQUID, INORGANIC, N.O.S.

**IMDG / IMO**

**UN no:** 3287

**Class:** 6.1

**Packing group:** III

**EmS:** 6.1-02

**Marine pollutant:** YES

**Labelling:** 6.1

**IATA / ICAO**

**UN no:** 3287

**Class:** 6.1

**Packing group:** III

**Packing instructions:** 618

**Quantity** 220 L

**Labelling:** 6.1

**15. REGULATORY INFORMATION**

**Hazard symbols:** Toxic.



**Risk phrases:** R43: May cause sensitisation by skin contact.

R49: May cause cancer by inhalation.

R46: May cause heritable genetic damage.

**Safety phrases:** S1/2: Keep locked up and out of the reach of children.

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 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

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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**

**Additional information:** The information contained within this MSDS is based on bulk quantities. The user should bear in mind the reduced hazard associated with the small quantities normally associated with test kit reagents, and adjust their responses accordingly.

**Risk phrases used in s.2:** R49: May cause cancer by inhalation.  
R46: May cause heritable genetic damage.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R43: May cause sensitisation by skin contact.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**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.