



# Product Specification

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## CHROMIUM TRIOXIDE PURIFIED

|   |  |
|---|--|
| <b>PRODUCT CODE</b>   | <b>027762</b>  |
| <b>SYNONYMS</b>   | <b>(Chromium (VI) oxide; Chromic acid)</b>                                       |
| <b>C.I. NO.</b>   | --   |
| <b>CASR NO.</b>   | <b>1333-82-0</b>   |
| <b>ATOMIC OR MOLECULAR FORMULA</b>  | <b>CrO<sub>3</sub></b>   |
| <b>ATOMIC OR MOLECULAR WEIGHT</b>   | <b>99.99</b>   |
| <b>PROPERTIES</b>   | <b>Soluble in water, alcohol, and mineral acids.<br/>Deliquescent.</b>           |
| <b>PARAMETER</b>  | <b>LIMIT</b>   |
| Description   | Dark red crystals / crystalline powder / almost black crystalline masses flakes. |
| Solubility  | 10% Solution in water is bright and clear.                                       |
| Minimum Assay (Iodometric)  | 99.0%  |
| <b>MAXIMUM LIMIT OF IMPURITIES</b>  |  |
| Chloride (Cl)   | 0.1%   |
| Sulphate (SO <sub>4</sub> )   | 0.06%  |
| Iron (Fe)   | 0.01%  |
| <b>Note(s) : Assay (if applicable) method mentioned.</b>  |  |
| <b>DANGER</b><br><b>Hazard statements:</b> May intensify fire; oxidizer. Fatal if inhaled. Toxic in contact with skin. Toxic if swallowed. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. May cause CANCER. Suspected of damaging fertility. Causes damage to organs through prolonged or repeated exposure by inhalation. Causes severe skin burns and eye damage. Very toxic to aquatic life with long lasting effects.<br><b>Precautionary statements</b><br><b>Prevention:</b> Wash hands thoroughly after handling. In case of inadequate ventilation wear respiratory protection. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Wear protective gloves/clothing Avoid breathing dust/fume/gas/mist/vapours/spray. Do not breathe dust or mist. Use personal protective equipment as required. Use only outdoors or in a well ventilated area. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Do not breathe dust/fume/gas/mist/vapours/spray. Wear respiratory protection. Contaminated clothing should not be allowed out of the workplace. Keep away from heat. Take any precaution to avoid mixing with combustible or incompatible materials.<br><b>Response:</b> IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Keep container tightly closed. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If exposed or concerned: Get medical attention advice. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment: refer to Label or MSDS. Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Get medical advice/attention if you feel unwell. If on skin or hair: remove/ take off immediately all contaminated clothing. Rinse with water/shower. Absorb spillage to prevent material damage. IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. Wash/Decontaminate removed clothing before reuse. Remove/ Take off immediately all contaminated clothing | IMDG Code : 5.1/II<br>UN No. : 1463<br>IATA : 5.1                                |
| <b>Disposal:</b> Dispose of contents and container in accordance with relevant legislation.   |  |



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Hazard Pictogram(s) :-



GHS03



GHS05



GHS06



GHS08



GHS09

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