



Product Specification

cdhfinechemical.com

CHROMIUM TRIOXIDE

PRODUCT CODE	H10875
SYNONYMS	[chromium (vi) oxide
C.I. NO.	--
CASR NO.	1333-82-0
ATOMIC OR MOLECULAR FORMULA	CrO ₃
ATOMIC OR MOLECULAR WEIGHT	99.99
PROPERTIES	Soluble in water, alcohol, and mineral acids. Deliquescent.
PARAMETER	LIMIT
Description	Dark red crystals / crystalline powder / almost black crystalline masses flakes.
Solubility	10% Solution in water is bright and clear.
Minimum Assay (Iodometric)	98.0%
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.01%
Chloride (Cl)	0.005%
Sulphate (SO ₄)	0.005%
Iron (Fe)	0.02%
Nitrate (NO ₃)	0.05%
Aluminum (Al)	0.02%
Barium (Ba)	0.01%
Sodium (Na)	0.2%
Note(s) : Assay (if applicable) method mentioned.	
DANGER Hazard statements : May intensify fire; oxidizer. Fatal if inhaled.Toxic if swallowed. Harmful in contact with skin. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. May cause CANCER. May damage fertility. May damage the unborn child. 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. Precautionary statements Prevention: Wear respiratory protection. Avoid breathing dust/fume/gas/mist/ vapours/spray. Wear protective gloves/clothing and eye/face protection. Use only outdoors or in a well ventilated area. Wear protective gloves/clothing.Do not breathe dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.Use personal protective equipment as required. Contaminated clothing should not be allowed out of the workplace. Wash thoroughly after handling.Do not breathe dust or mist.In case of inadequate ventilation wear respiratory protection. Wash hands thoroughly after handling. Keep away from heat.Do not eat, drink or smoke when using this product. Take any precaution to avoid mixing with combustible or incompatible materials. Response: If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse.If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. 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. IF ON SKIN: Gently wash with plenty of soap and water. If exposed or concerned: Get medical attention advice. Get medical advice/attention if you feel unwell. Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Keep container tightly closed. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.	IMDG Code : 6.1(5.1)/II UN No. : 1463 IATA : 6.1(5.1)
Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company	





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Hazard Pictogram(s) :--



GHS03



GHS05



GHS06



GHS08



GHS09