





Product Specification

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CHROMIUM (III) NITRATE NONAHYDRATE

PRODUCT CODE	053045
SYNONYMS	--
C.I. NO.	
CASR NO.	(7789-02-8)
ATOMIC OR MOLECULAR FORMULA	Cr(NO ₃) ₃ .9H ₂ O
ATOMIC OR MOLECULAR WEIGHT	400.15
PROPERTIES	--
PARAMETER	LIMIT
Description	Bluish to dark violet shiny crystals/crystalline powder/chunks.
Solubility	Soluble in water.
Minimum assay (ex Cr)	98.0%
MAXIMUM LIMIT OF IMPURITIES	
Chloride (Cl)	0.005%
Sulphate (SO ₄)	0.02%
Iron (Fe)	0.05%
Note(s) : Assay (if applicable) method mentioned.	
DANGER Hazard statements: May cause respiratory irritation. May intensify fire; oxidizer. May be harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. Precautionary statements Prevention: Wash hands thoroughly after handling. Take any precaution to avoid mixing with combustible or incompatible materials. Keep away from heat. Response: If skin irritation occurs, seek medical advice/attention. Wear eye/face protection. If eye irritation persists, get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Disposal: The quantities greater than 10g should be dissolved in dilute acid and transferred to heavy metal waste drum for collection by specialist disposal company.	IMDG Code : 5.1/III 4UN No. : 2720 IATA : 5.1
Hazard Pictogram(s) :-	
 	
GHS03 GHS07	

Replace Date 29-Apr-2026