



Product Specification

cdhfinechemical.com

MOLYBDENUM TRIOXIDE

PRODUCT CODE	161215	
SYNONYMS	(Molybdic anhydride) , (Molybdenum (VI) oxide)	
C.I. NO.	--	
CASR NO.	(1313-27-5)	
ATOMIC OR MOLECULAR FORMULA	MoO₃	MoO₃
ATOMIC OR MOLECULAR WEIGHT	143.95	
PROPERTIES	Soluble in concentrated mineral acids, solution of alkali hydroxides, ammonia.	
PARAMETER	LIMIT	
Description	Pale yellowish green or grey powder.	
Solubility	10% solution in mixture of dilute ammonia and water is clear.	
Minimum Assay (Complexometric)	99.0%	
MAXIMUM LIMIT OF IMPURITIES		
Ammonium (NH ₄)	0.01%	
Chloride(Cl)	0.005%	
Sulphate (SO ₄)	0.02%	
Iron (Fe)	0.002%	
Phosphate, Arsenate, & Silicate (PO ₄)	0.002%	
Note(s) :Assay (if applicable) method mentioned.		
WARNING	Hazard statements :May cause respiratory irritation.May be harmful if swallowed.Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Precautionary statements Prevention :Wash hands thoroughly after handling. Do not breathe dust/fume/gas/mist/vapours/spray. Response :If eye irritation persists, get medical advice/attention.IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear eye/face protection.Get medical advice/attention if you feel unwell. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Disposal : Dispose of contents and container in accordance with relevant legislation.	IMDG Code : UN No. : IATA :
Hazard Pictogram(s) :		
 		
GHS07 GHS08		

Replace 18-Jan-2024