



Product Specification

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LITHIUM PERCHLORATE TRIHYDRATE

PRODUCT CODE	138185	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	13453-78-6	
ATOMIC OR MOLECULAR FORMULA	LiClO ₄ .3H ₂ O	LiClO ₄ .3H ₂ O
ATOMIC OR MOLECULAR WEIGHT	160.44	
PROPERTIES	--	

PARAMETER	LIMIT
Description	White to off-white crystals or lumps.
Solubility	10% solution in water is clear and colourless.
Minimum assay (Ion-exchange resin)	99.0%
pH of 5% solution	5.5-7.5

MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter in water	0.005%
Chloride (Cl)	0.003%
Sulphate (SO ₄)	0.005%
Heavy metals (Pb)	0.001%
Calcium (Ca)	0.005%
Iron (Fe)	0.0005%
Potassium (K)	0.002%
Sodium (Na)	0.002%

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/II UN No. : 1481 IATA : 5.1

Hazard Pictogram(s) :
 
GHS03 GHS07

Replace: 26-May-2023