



LEAD DIOXIDE

PRODUCT CODE	R01268	
SYNONYMS	(Lead peroxide, Lead (IV) oxide)	
C.I. NO.	--	
CASR NO.	(1309-60-0)	
ATOMIC OR MOLECULAR FORMULA	PbO ₂	PbO₂
ATOMIC OR MOLECULAR WEIGHT	239.20	
PROPERTIES	An oxidizing agent, insoluble in water.	
PARAMETER	LIMIT	
Description	A dark brown or nearly black amorphous powder.	
Solubility	Soluble in dilute nitric acid and in presence of hydrogen peroxide.	
Minimum Assay (Oxidimetric)	94.0%	
MAXIMUM LIMIT OF IMPURITIES		
Chloride (Cl)	0.2%	
Nitrate (NO ₃)	0.05%	
Sulphate (SO ₄)	0.02%	
Note(s) : Assay (if applicable) method mentioned.		
DANGER		IMDG Code : 5.1/III
Hazard statements : May cause respiratory irritation. May intensify fire; oxidizer. Harmful if inhaled. Harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. May damage the unborn child. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects		UN No. 1872
Precautionary statements		IATA : 5.1
Prevention : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/ vapours/spray. Use only outdoors or in a well ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood. Keep away from heat. Obtain special instructions before use. Take any precaution to avoid mixing with combustible or incompatible materials.		
Response : If exposed or concerned: Get medical attention advice. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wear eye/face protection. If skin irritation occurs, seek medical advice/attention. Specific treatment: refer to Label or MSDS. 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.		
Disposal : Dispose of contents and container in accordance with relevant legislation.		
Hazard Pictogram(s) :-		

Replace Date 1 April 2023

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