

MANGANESE DIOXIDE AR

PRODUCT CODE	569015	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	1313-13-9	
ATOMIC OR MOLECULAR FORMULA	MnO₂	MnO₂
ATOMIC OR MOLECULAR WEIGHT	86.94	
PROPERTIES	Insoluble in water, nitric acid or cold sulphuric acid. Strong oxidizer.	

PARAMETER	LIMIT
Description	A fine black dense powder.
Solubility	Soluble in warm HCl with evolution of chlorine.
Assay (Iodometric)	92.0-94.0%

MAXIMUM LIMIT OF IMPURITIES	
Acid insoluble matter	0.1%
Chloride (Cl)	0.05%
Sulphate (SO ₄)	0.01%
Iron (Fe)	0.005%
Lead (Pb)	0.005%
Barium (Ba)	0.1%
Calcium (Ca)	0.1%
Loss on drying (105 ^o C)	0.2%

Note(s) : Assay (if applicable) method mentioned.

<p>WARNING</p> <p>Hazard statements: Harmful if swallowed. May cause allergic skin reaction. May causedamage to organs through prolonged or repeated exposure. Harmful to aquatic life withlong lasting effects.</p> <p>Precautionary statements</p> <p>Prevention: Wash hands thoroughly after handling. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours /spray. Do not eat, drinkor smoke when using this product. Contaminated clothing should not be allowed out of theworkplace.</p> <p>Response: If skin irritation or rash occurs, seek medical advice/attention. Get medicaladvice/attention if you feel unwell. IF ON SKIN: Gently wash with plenty of soap and water.Specific treatment: refer to Label or MSDS. Wash contaminated clothing before reuse.</p> <p>Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities ofwater. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums forcollection by specialist disposal company. The waste chemical should be buried on a stage approved site .The liquids should be absorbed on sand.</p>	<p>IMDG Code :</p> <p>UN No. :</p> <p>IATA :</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------

<p>Hazard Pictogram(s) :-</p> <div style="display: flex; justify-content: center; gap: 20px;"> <div style="text-align: center;">  <p>GHS07</p> </div> <div style="text-align: center;">  <p>GHS08</p> </div> </div>

Replace Date 04/07/2020