MALEIC ACID FOR SYNTHESIS

PRODUCT CODE	029124
SYNONYMS	Cis- Butenedioic acid;
C.I. NO.	--
CASR NO.	(110-16-7)
ATOMIC OR MOLECULAR FORMULA	$C_4H_4O_4$
ATOMIC OR MOLECULAR WEIGHT	116.07
PROPERTIES	It is converted partly to fumaric acid. Combustible.

$C_4H_4O_4$
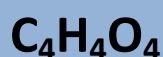
PARAMETER	LIMIT
Description	A white crystals /crystalline powder.
Solubility	10% solution in water is clear and colourless.
Appearance of solution	Passes test
Identification	Passes test.
Assay (Acidimetric; Calculated on anhydrous substance)	98.0 - 101 .0%
Melting Point	136 – 141°C

MAXIMUM LIMIT OF IMPURITIES

Sulphated ash	0.1%
Water (KF)	2.0%
Fumaric acid (H PLC)	1.5 %
Iron (Fe)	0.0005%
Heavy metals (as Pb)	0.001%

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

WARNING **Hazard statements :** May cause respiratory irritation.Harmful if swallowed. Causes skin irritation Causes serious eye irritation.May be corrosive to metals . **Precautionary statements** **Prevention:** Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.Wash thoroughly after handling. **Response:** Wash/Decontaminate removed clothing before reuse. Remove/Take off immediately all contaminated clothing IF ON SKIN: Gently wash with plenty of soap and water.IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.If skin irritation occurs, seek medical advice/attention.Absorb spillage to prevent material damage.If eye irritation persists, get medical advice/attention. Wear eye/face protection. Specific treatment: refer to Label or MSDS.	IMDG Code :- UN No. :- IATA :-

Disposal: Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2% .Neutralize with 5% sodium hydroxide soln. and run to waste with large volumes of running water.The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

Hazard Pictogram(s) :

Skin irritation