



## Product Specification

### SULPHURIC ACID

PRODUCT CODE	226325
SYNONYMS	Oil of vitriol
C.I. NO.	N/A
CASR NO.	7664-93-9
ATOMIC OR MOLECULAR FORMULA	H <sub>2</sub> SO <sub>4</sub>
ATOMIC OR MOLECULAR WEIGHT	98.08
PROPERTIES	--

### H<sub>2</sub>SO<sub>4</sub>

PARAMETER	LIMIT
Description	A clear oily liquid, not more than 10 Hazen units in colour.
Solubility	Miscible with water with the generation of a considerable amount of heat.
Assay (acidimetric)	About 98.0%
Wt.per ml at 20°C	About 1.835 g

#### MAXIMUM LIMIT OF IMPURITIES

Non volatile matter	0.01%
Hydrochloric acid (HCl)	0.0002%
Nitric acid (HNO <sub>3</sub> )	0.001%
Arsenic (As)	0.0002%
Iron (Fe)	0.0005%
Lead (Pb)	0.002%
Reducing substances	0.02 ml N/1%

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

#### WARNING

**Hazard statements :** Causes skin irritation. Causes serious eye irritation. May be corrosive to metals

#### Precautionary statements

**Prevention:** Keep only in original container. Wash thoroughly after handling .Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** 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 .Absorb spillage to prevent material damage.

**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.

IMDG Code :--

UN No. :--

IATA :--

#### Hazard Pictogram(s) :



Corrosive to metals