



Product Specification

GLYCEROL FOR MOLECULAR BIOLOGY

PRODUCT CODE	940500
SYNONYMS	--
C.I. NO.	--
CASR NO.	(56-81-5)
ATOMIC OR MOLECULAR FORMULA	C₃H₈O₃
ATOMIC OR MOLECULAR WEIGHT	92.09
PROPERTIES	Hygroscopic, Combustible.



PARAMETER	LIMIT
Description	A clear viscous liquid not more than 10 Hazen unit in colour.
Solubility	Miscible with water and with industrial methylated spirit forming clear and colourless.
Minimum assay (GC)	99.0%
Wt. per ml at 20°C	1.257 – 1.261 g
Refractive Index (n) _D ²⁰	1.471 – 1.473
pH	6 – 7

MAXIMUM LIMIT OF IMPURITIES

Heavy metals (as Pb)	0.0005%
Iron (Fe)	0.0005%
Sulphate (SO ₄)	0.0005%
Magnesium (Mg)	0.0005%
Chloride (Cl)	0.0001%
Abs. of 5M aq. solution at 260 nm	0.07
at 280 nm	0.02
Fatty acid esters	0.08%
Sulphated ash	0.005%
Ammonium (NH ₄)	0.0005%
Arsenic (As)	0.00004%
Copper (Cu)	0.00005%
DNase, RNase, Protease & Phosphatases	None detected.

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

WARNING

Hazard statements : May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

Precautionary statements

Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.

IMDG Code : --

UN No. : --

IATA :--

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

Hazard Pictogram(s) :



Skin Irritation