



Product Specification

cdhfinechemical.com

DIMETHYL SULPHOXIDE AR/ACS

PRODUCT CODE	H14115
SYNONYMS	(DMSO)
C.I. NO.	N/A
CASR NO.	67-68-5
ATOMIC OR MOLECULAR FORMULA	CH ₃ SOCH ₃
ATOMIC OR MOLECULAR WEIGHT	78.13
PROPERTIES	Hygroscopic liquid, Combustible.

PARAMETER	LIMIT
Description	A clear liquid, colour not more than 10 Hazen units.
Solubility	Miscible with water forming clear & colourless solution.
Identification (IR Spectrum)	Complies
Minimum assay (By GC)	99.9%
Wt. per ml at 20°C	1.099 - 1.101 g
Freezing Point	18.0° - 18.4°C
Boiling Range	189 - 193°C
Refractive Index (n) _D ²⁰	1.478-1.479

MAXIMUM LIMIT OF IMPURITIES	
Water	0.1%
Non volatile matter	0.01%
Acidity (CH ₃ COOH)	0.005%
Absorbance of sample in 1cm v/s H ₂ O	
@275nm	0.30
@285nm	0.20
@295nm	0.20
(After purging with N ₂ for 15 min)	
Absorbance ratio	
A 285nm/A 275nm	0.65
A 295nm/ A 275nm	0.45
Dimethyl sulfone and dibenzyl sulfone (GC)	0.1%
Total Impurities	0.15%

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

HAZARD STATEMENTS : Combustible Liquid. Toxic if swallowed. Causes mild skin irritation. Causes eye irritation. May cause allergic or asthmatic symptoms/breathing difficulties if inhaled. May cause allergic skin reaction. PRECAUTIONARY STATEMENTS : Prevention : Wash hands thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. In case of inadequate ventilation wear respiratory protection. Do not eat, drink or smoke when using this product. Use explosion-proof electrical/ventilating/lighting/equipment. Keep away from flames and hot surfaces. Contaminated clothing should not be allowed out of the workplace. Response : If skin irritation or rash occurs, seek medical advice/attention. If skin irritation occurs, seek medical advice/attention. If eye irritation persists, get medical advice/attention. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. IF INHALED: If breathing is difficult, 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.	IMDG Code : UN No. : IATA :
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Specific treatment: refer to Label or MSDS. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. IF ON SKIN: Gently wash with plenty of soap and water.

Disposal : The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. f the volumes are larger than 500ml and no incinerator and site of evaporation is not available then transfer the waste chemical to waste solvent drum for collection by specialist disposal company.

Hazard Pictogram(s) :



GHS06



GHS08