



Product Specification

cdhfinechemical.com

METHANOL SEMICONDUCTOR GRADE

PRODUCT CODE	149785	
SYNONYMS	Methyl alcohol	
C.I. NO.	N/A	
CASR NO.	67-56-1	
ATOMIC OR MOLECULARFORMULA	CH₃OH	$\text{H}_3\text{C}-\text{OH}$
ATOMIC OR MOLECULARWEIGHT	32.04	
PROPERTIES	Highly polar liquid	
PARAMETER	LIMIT	
Description	A clear liquid with a characteristic odour, not more than 10 Hazen units in colour.	
Solubility	30% solution in water is clear and colourless within 1 hour.	
Refractive Index (n) _D ²⁰	1.328-1.330	
Minimum assay (By GC)	99.9%	
Wt. per ml at 20°C	0.790-0.793 g	
Boiling range (64.5-65.5°C)	Conforms	
MAXIMUM LIMIT OF IMPURITIES		
Colour scale	10	
Acidity	0.3 meq/g	
Alkalinity	0.1 meq/g	
Residue on evaporation	0.0005%	
Water (H ₂ O)	0.05%	
Chloride (Cl)	0.00002%	
Phosphate (PO ₄)	0.00005%	
Heavy metal (as Pb)	0.00002%	
Arsenic & antimony (as AS)	0.000001%	
Aluminum (Al)	0.0001%	
Barium (Ba)	0.0001%	
Boron (B)	0.000001%	
Cadmium (Cd)	0.0001%	
Calcium (Ca)	0.0001%	
Chromium (Cr)	0.00005%	
Cobalt (Co)	0.00001%	
Copper (Cu)	0.00001%	
Gallium (Ga)	0.00005%	
Germanium (Ge)	0.0001%	
Gold (Au)	0.00005%	

Iron (Fe)	0.00001%
Lithium (Li)	0.0001%
Magnesium (Mg)	0.0001%
Manganese (Mn)	0.0001%
Nickel (Ni)	0.00001%
Potassium (K)	0.0001%
Silicon (Si)	0.0001%
Silver (Ag)	0.00005%
Strontium (Sr)	0.0001%
Tin (Sn)	0.0001%
Zinc (Zn)	0.0001%
Sodium (Na)	0.0001%

Note(s) : 1] Assay (if applicable) method mentioned.

DANGER

HAZARD STATEMENTS : May cause drowsiness and dizziness. Highly flammable liquid and vapour. Fatal if inhaled. Toxic in contact with skin. Toxic if swallowed. Causes mild skin irritation. Causes eye irritation. Causes damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS :

Prevention : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wear respiratory protection. Ground/bond container and receiving equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/clothing. Use only outdoors or in a well ventilated area. Wear protective gloves and eye/face protection. Keep container tightly closed. Keep away from heat/sparks/open flame - No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Response : Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Gently wash with plenty of soap and water. If eye irritation persists, get medical advice/attention. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If skin irritation occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire, use alcohol-type foam for extinction. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Get medical advice/attention if you feel unwell. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Specific treatment: refer to Label or MSDS. Remove/Take off immediately all contaminated clothing. Wash/Decontaminate removed clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.

Disposal : Allow to evaporate in safe open area (applicable for small quantities). The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. If 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.

IMDG Code : 3/II
UN No. : 1230
IATA : 3



GHS02



GHS06



GHS08

Hazard Pictogram(s) :