

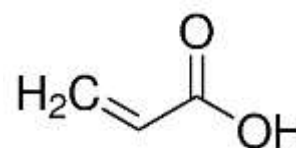


Product Specification

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ACRYLIC ACID FOR SYNTHESIS

PRODUCT CODE	002635
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	79-10-7
ATOMIC OR MOLECULAR FORMULA	C ₃ H ₄ O ₂
ATOMIC OR MOLECULAR WEIGHT	72.06
PROPERTIES	M.P. :12.1 °C, Polymerizes readily, Combustible.



PARAMETER	LIMIT
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Description	Clear colourless to pale yellow liquid.
Solubility	Miscible with water.
Minimum assay (By GC)	99.0%
Wt. per ml at 20°C	1.048 - 1.050 g
Refractive Index (n) _D ²⁰	1.421 - 1.422

MAXIMUM LIMIT OF IMPURITIES

Water (KF)	0.2%
Dimer value	1.0%

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

HAZARD

HAZARD STATEMENTS : Highly flammable liquid and vapour. Fatal if swallowed. Causes skin irritation. May cause allergic skin reaction. May be corrosive to metals. Causes severe skin. burns and eyedamage. Causes serious eye damage. Very toxic to aquatic life.

PRECAUTIONARY STATEMENTS :

Prevention : Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Keep only in original container. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. Collect spillage.

Disposal : Dissolve the chemical in dilute acid and neutralize the excess acid with sodium carbonate and run to the normal waste with large amounts of water. Any sand used to cover spillage should be thoroughly washed with water before disposal as normal waste. Alternatively the neutralized solution can be put in a container and disposed off.

IMDG Code : 3(8)/II
UN No. : 2218
ATA : 3(8)

Hazard pictogram(s) :



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GHS02



GHS05



GHS09



GHS07

Replace Date 14-June-2023