

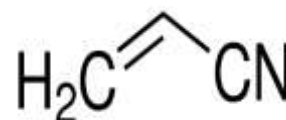


Product Specification

cdhfinechemical.com

ACRYLONITRILE AR

PRODUCT CODE	452025
SYNONYMS	Vinyl cyanide
C.I. NO.	--
CASR NO.	(107-13-1)
ATOMIC OR MOLECULAR FORMULA	C ₃ H ₃ N
ATOMIC OR MOLECULAR WEIGHT	53.06
PROPERTIES	May polymerize spontaneously particularly in the absence of oxygen or on exposure to visible light. Polymerizes violently in the presence of concentrated alkali. On standing may slowly develop a yellow colour, particularly after excessive exposure to light.
PARAMETER	LIMIT
Description	A clear & colourless to light yellow liquid.
Solubility	Miscible with alcohol, water and chloroform forming clear and colourless solution.
Minimum assay (By GC)	99.5%
Wt. per ml (at 20°C)	0.805-0.807 g
Refractive Index (n) ²⁰ _D	1.391-1.392
Boiling range	77-78 °C
MAXIMUM LIMIT OF IMPURITY	
Water (KF)	0.3%



Note(s) : Assay (if applicable) method mentioned.	
DANGER HAZARD STATEMENTS : May cause respiratory irritation. Highly flammable liquid and vapour. Fatal if inhaled. Toxic if swallowed. Toxic in contact with skin. Causes skin irritation. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. May cause CANCER. Causes serious eye damage. Toxic to aquatic life with long lasting effects. Toxic to aquatic life. PRECAUTIONARY STATEMENTS : Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. 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. Use personal protective equipment as required. Wear respiratory protection. In case of inadequate ventilation wear respiratory protection. Response : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. 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 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. IF exposed or concerned: Get medical advice/attention. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment is urgent (see MSDS). Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Collect spillage.	IMDG Code : 3/1 UN No. : 1093 IATA : 3
Disposal : 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.	

Hazard Pictogram(s) :



GHS02



GHS05



GHS06



GHS08



GHS09

Replace Date 21-Aug-2024