

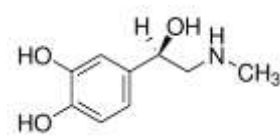


Product Specification

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L-ADRENALINE AR/ACS

PRODUCT CODE	452725
SYNONYMS	(Epinephrine)
C.I. NO.	--
CASR NO.	(51-43-4)
ATOMIC OR MOLECULAR FORMULA	C₉H₁₃O₃N
ATOMIC OR MOLECULAR WEIGHT	183.21
PROPERTIES	It darkens in colour on exposure to air and light.



PARAMETER	LIMIT
Description	A white to creamy-white crystalline powder. It darkens in colour on exposure to air and light.
Solubility	Dissolves in solution of mineral acids, of Sodium hydroxide. It's not stable in neutral or alkaline solutions, which rapidly becomes red on exposure to air.
Minimum Assay (Non - aqueous; on dried substance)	99.0%
Melting point	208-219°C
Absorption at 280 nm (0.006% w/v soln. in 0.01 M HCl)	About 0.9
Specific optical rotation (4% w/v soln. in 1 M HCl)	-53° to -50°

MAXIMUM LIMIT OF IMPURITIES

Phenones	Passes test.
Loss on drying (at 110°C)	0.5%
Sulphated ash	0.1%

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

DANGER
Hazard statements: May cause respiratory irritation. Fatal in contact with skin. Toxic if swallowed. Toxic if inhaled. Causes skin irritation. Causes serious eye irritation. May damage the unborn child. May cause damage to organs through prolonged or repeated exposure. Precautionary statements Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/ vapours/spray. Avoid breathing dust/fume/gas/mist/ vapours/spray Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing /eye protection /face protection.
Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Gently wash with plenty of soap and water. 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. IF exposed or concerned: Get medical advice/attention. 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. Get medical advice/attention if you feel unwell. Rinse mouth. If eye irritation persists: Get medical advice/attention. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

IMDG Code : 6.1 / II
 UN No. : 2811
 IATA : 6.1

Disposal: The chemical should be burnt in a chemical incinerator equipped with burner and scrubber.

Hazard pictogram(s) :



Replace Date-19-Jan-2024