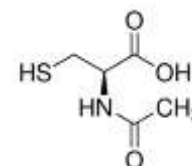


N-ACETYL-L-CYSTEINE

PRODUCT CODE	001855
SYNONYMS	(2-Acetamido-3-mercaptopropionic acid)
C.I. NO.	--
CASR NO.	(616-91-1)
ATOMIC OR MOLECULAR FORMULA	C₅H₉NO₃S
ATOMIC OR MOLECULAR WEIGHT	163.19
PROPERTIES	--



PARAMETER	LIMIT
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Description	White to yellowish powder or crystalline powder.
Solubility	2% solution in water is clear.
Minimum Assay (Iodometric)	99.00%
Melting point	108°- 110°C
Specific rotation (α) $\frac{20^{\circ}}{D}$ (C=2, H ₂ O)	+ 5.3 \pm 0.5°

MAXIMUM LIMIT OF IMPURITIES

Ammonium (NH ₄)	0.01%
Heavy metals (as Pb)	0.001%

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

WARNING

Hazard statements : May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

Precautionary statements

Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: 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. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.

Disposal : Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

IMDG Code :
UN No. :
IATA :

Hazard pictogram(s) :------



GHS07

Replace Date 15-DEC-2023