



SDFCL
s d fine-chem limited

Quality Control Dept.

Product Specification



E Control	QC2\DATAD\ID\PS\37933XPS.xls
PRODUCT CODE	37933
PRODUCT NAME	BUTYRYL CHLORIDE LR
SYNONYMS	Butyric acid chloride
C.I. NO.	N/A
CASR NO.	141- 75- 3
ATOMIC OR MOLECULAR FORMULA	C ₄ H ₇ ClO
ATOMIC OR MOLECULAR WEIGHT	106.55
PROPERTIES	



PARAMETER	LIMIT
Description	Clear & colourless to nearly colourless liquid.
Solubility	Slowly soluble with water with decomposition.
Minimum assay (ex Cl)	99.5%
Wt.per ml at 20 °C	About 1.02 g
Refractive Index (n) _D ²⁰	1.412 - 1.414
Boiling Range (100 - 102 °C)	Min. 95.0%

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

DANGER

HAZARD STATEMENTS : Highly flammable liquid and vapour. Causes severe skin burns and eye damage

PRECAUTIONARY STATEMENTS :

Prevention : Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge Do not breathe dust or mist. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment Wear protective gloves and eye/face protection.

Response : Immediately call a POISON CENTER or doctor/physician. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse. Specific treatment: refer to Label or MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use dry agent for extinction. Absorb spillage to prevent material damage.

IMDG Code : 3/II
UN No. : 2353
IATA : 3

Disposal : Allow to evaporate in safe open area (applicable for small quantities). Acid halides should be neutralized by adding dropwise to an excess of methanol to convert them into corresponding methyl esters. Few drops of hydrochloric acid can be added to accelerate the reaction. Neutralize with 5% sodium hydroxide solution till pH is alkaline and run to waste with large volumes of running water. if original quantity is small. In case of comparatively large quantity, final solution may be stored in a container and disposed off.

Hazard pictogram(s) :



Flammable liquids



Corrosive to metals

Prepared By : VINOD PATEL	Checked By : RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
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