



SDFCL
s d fine-CHEM limited

Quality Control Dept.

Product Specification



E Control	QC2\DATAD\DA\PS\25028XPS.xls	
PRODUCT CODE	25028	
PRODUCT NAME	NN-DIMETHYLFORMAMIDE FOR HPLC & SPECTROSCOPY	
SYNONYMS	N/A	
C.I. NO.	N/A	
CASR NO.	68-12-2	
ATOMIC OR MOLECULAR FORMULA	HCON(CH ₃) ₂	
ATOMIC OR MOLECULAR WEIGHT	73.09	
PROPERTIES	Combustible.	
PARAMETER	LIMIT	
Description	A clear liquid, colour not more than 10 Hazen units.	
Solubility	Miscible with water forming a clear & colourless solution.	
Minimum assay (By GC)	99.5%	
Wt.per ml at 20 °C	About 0.948 - 0.950 g	
Recommended working temp.	-20 ° to 20 °C	
Refractive Index(n) _D ²⁰	1.429 - 1.431	
Boiling Point	153 °C	
Water	Max. 0.05%	
Maximum Absorbance in a 1.0 cm cell at: 270 nm (UV Cut Off) 300 nm 340 nm onwards	1.0 0.01	0.1

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

DANGER

HAZARD STATEMENTS : Flammable liquid and vapour. Harmful if inhaled. Harmful in contact with skin. May be harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. May damage the unborn child.

PRECAUTIONARY STATEMENTS :

Prevention : Wash hands thoroughly after handling. Ground/bond container and receiving equipment. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Wear protective gloves/clothing. Use only non-sparking tools. Keep container tightly closed. Keep away from heat/sparks/open flame - No smoking. Use personal protective equipment as required. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves and eye/face protection.

Response : Wash contaminated clothing before reuse. If exposed or concerned: Get medical attention advice. Wear eye/face protection. If eye irritation persists, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs, seek medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment: refer to Label or MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. 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.

Disposal : Allow to evaporate in safe open area (applicable for small quantities). 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.

IMDG Code : 3/III
UN No. : 2265
IATA : 3

Hazard pictogram(s) :



Flammable liquids Skin irritation Aspiration hazard



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