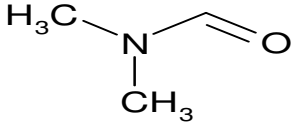




Product Specification

E Control	QC2\DATAD\DA\PS\20882XPS.xls
PRODUCT CODE	20882
PRODUCT NAME	N,N-DIMETHYLFORMAMIDE DRY AR (H ₂ O ≤ 0.01%)
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	68-12-2
ATOMIC OR MOLECULAR FORMULA	C ₃ H ₇ NO
ATOMIC OR MOLECULAR WEIGHT	73.10
PROPERTIES	Combustible.
	
PARAMETER	LIMIT
Description	A clear liquid colour not more than 10 Hazen.
Solubility	20% solution in water is clear & colourless.
Minimum assay (By GC)	99.5%
Wt. per ml at 20°C	0.948 – 0.950 g
Refractive index (n) _D ²⁰	1.429 – 1.431
Boiling point (152 – 154°C)	Min. 95.0%
MAXIMUM LIMIT OF IMPURITIES	
Water	0.01%
Acidity (HCOOH)	0.0045%
Alkalinity [(CH) ₂ NH]	0.0045%
Non volatile matter	0.002%
Copper (Cu)	0.0005%
Iron (Fe)	0.0005%
Lead (Pb)	0.0005%
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.

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

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. f 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) :			
  			
Flammable liquids Skin irritation Aspiration hazard			
Prepared By : DINESH	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
Name/Dept. : Officer (Q.A.)	Name/Dept. :Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No. : 01
Sign. :	Sign. :	Sign. :	Revision dt. : 16/08/2010
Date : 13/08/2010	Date : 13/08/2010	Date : 16/08/2010	AMEND NO. : P062