TRICHLOROETHYLENE

CHEMICAL NAME / FORMULA :
Trichloroethylene / C_2HCl_3

FORMATION :
Liquid

PROPRERTIES:

Appearance : Colourless heavy liquid	**Boiling Pt / Range** : 86.7°C
Odour : Chloroform like odour	**Flash Point** : Practically non-flammable
Flammability/Explosive : No	**Corrosive** : No
Chemical Stability : Stable	**Incompatibility** : Strong Caustics

INSTALLED CAPACITY
7,200 TPA

INPUT
Calcium Carbide and Chorine

OUTPUT
Trichloroethylene

SPECIFICATIONS	TYPE-I	TYPE-II
Relativity Density at 27/27°C	1.452 to 1.458	1.447 to 1.458
Alkalinity (as Na_2CO_3)	0.005 to 0.020	0.0025 Max.
Distillation yield between 86 & 88°C	97-98 Max.	97-98 Max.
Residue on Evaporation mg/100 ml	15 Max	15 Max
Free Chlorine	NIL	NIL
Moisture ppm	200 (max)	200 (max)
Colour Hazen	25 (max)	20 (max)

PACKAGING AND HANDLING

The Material can be packed in M.S. Drums, HM HDPE Barrels, Tanker Trucks, Cans etc. for domestic and international marketing.

TRANSPORTATION CLASSIFICATION

U.N. No. 1710, IMCO Class: 6, IMDG Page: 6273.

MATERIAL SAFETY DATA

Given Overleaf

END USERS

In Metal digreassing, dry cleaning, drying electronic parts; as extraction solvent for oils, fats, waxes, refrigerant and as fumigant.

MATERIAL SAFETY DATA

NAME OF THE PRODUCT	Trichloroethyelne
COMPOSITION / COMPONENTS	Trichloroethylene
HAZARDS IDENTIFICATION	IMCO Class - 6
FIRST AID MEASURES	If INHALED, move victim to fresh air area and apply artificial respiration. In case of INGESTION, have victim drink water and induce vomiting, SKIN: Remove wetted cloths under shower of water and wash affected area with plenty of water and soap. EYES: Flush with plenty of water for 15 minutes. Seek medical aid.
MEASURES FOR FIRE FIGHTING	Not Flammable.
MEASURES IN CASE OF UNINTENTIONAL RELEASE	Shut off leaks and contain liquid on earth or sand.
HANDLING AND STORAGE	Keep in cool, dry, adequately ventilated place. Preserve in sealed light – resistant containers.
EXPOSURE LIMIT AND STAFF PROTECTION EQUIPMENT	Provide Neoprene hand gloves, suit, side-covered goggles, air-line mask, self contained breathing apparatus.
PHYSICAL & CHEMICAL PROPERTIES	Colourless liquid with characteristic odour of Chloroform. Sp. Gravity at 20^{o}C (water = 1) is 1,464. Solubility in water at 30^{o}C – Not soluble. Soluble in Ether, Alcohol, Chloroform.
STABILITY AND REACTIVITY	Chemically Stable. Can react vigorously with Aluminium. Barium, Lithium, Magnesium, Ozone, Pottassium Hydroxide, Potassium Nitrate, Sodium Hydroxide etc.
INFORMATION OF TOXICOLOGY	Emits Toxic fumes of Chlorine on combustion.
INFORMATION ABOUT WASTE DISPOSAL	Allow the liquid to evaporate into atmosphere at a safe isolated place.
INFORMATION ABOUT TRANSPORT	Transportable on road trucks in M.S. / HMHDPE Barrels with the bungs tight and up position.
STATUTORY REGULATORY INFORMATION	Shipping Name: Trichloroethylene. Hazchem Code 2 Z. Codes / Label – Poison, Class 6.
OTHER INFORMATION	U.N. No. 1710, IMDG Page: 6273, IMCO Class: 6 and C.A.S. No. 79-01-6.