



LIQUID CHLORINE

CHEMICAL NAME / FORMULA :
Chlorine / Cl₂

FORMATION :
Liquified Gas

PROPERTIES:

Appearance : Clear amber liquid	Specific Gravity (0°C) : 1.4685
Odour : Irritating, Choking	Boiling Pt/range : -34 deg.C
Flammability : NO	Flash Point : not pertinent
Explosive : NO	Corrosive : YES
Chemical Stability : Stable	Incompatibility : With Alkali & Metal

INSTALLED CAPACITY
36,000 TPA

INPUT
Gaseous Chlorine from Cell house

OUTPUT
Liquid Chlorine

SPECIFICATIONS:

Purity as chlorine % (V/V)	99.50 min.
Moisture ppm (W/W)	200 Max



PACKAGING AND HANDLING

Liquid Chlorine is packed in cylinders of capacity 900 kg net for domestic and international market.



TRANSPORTATION CLASSIFICATION

U.N.No.1017, IMCO class : 2, and CAS no.7782-50-5, IMDG page 2116



MATERIAL SAFETY DATA

Given Overleaf



END USERS

Manufacturers of Trichloro & Perchloro Ethylene, in Refrigeration, Sanitation, Pesticides, Paper & Pulp, Plastics, textile bleaching etc.



MATERIAL SAFETY DATA

NAME OF THE PRODUCT	Liquid Chlorine
COMPOSITION / COMPONENTS	Chlorine, Hydrogen, Carbon Dioxide, Nitrogen
HAZARDS IDENTIFICATION	IMCO Class - 2
FIRST AID MEASURES	If INHALED, move victim to fresh air area. If EYES are affected, flush with large amount of water for 15 minutes. Seek medical aid immediately.
MEASURES FOR FIRE FIGHTING	Not Flammable.
MEASURES IN CASE OF UNINTENTIONAL RELEASE	Avoid inhalation & contact. Knock down vapours with water spray or contain liquid with sand.
HANDLING AND STORAGE	Store in a cool, dry, relatively isolated, well-ventilated place. Store in cylinders, pressure vessels or pipeline.
EXPOSURE LIMIT AND STAFF PROTECTION EQUIPMENT	Provide PVC gloves, gum-boots, rubber overcoat, head mask, self-contained breathing apparatus.
PHYSICAL & CHEMICAL PROPERTIES	Clear amber liquid (greenish yellow) with Irritating/choking odour. Sp.Gravity:1.4685, Melting point:101 deg.C, Boiling Point: -34 deg.C. Soluble in Alkalies.
STABILITY AND REACTIVITY	Chemically stable. Combustible substance.
INFORMATION OF TOXICOLOGY	Toxic products generated when combustibles burn in Chlorine.
INFORMATION ABOUT WASTE DISPOSAL	Neutralise small liquid spillages with Soda Ash & drain with abundant water. Cover with protein foam to control release of vapour to atmosphere.
INFORMATION ABOUT TRANSPORT	Liquid Chlorine cylinders transportable in trucks.
STATUTORY REGULATORY INFORMATION	Shipping name : Chlorine, Hazchem Code 2XE, Codes/Label – Non-Flammable Gas, Poison, Class 2
OTHER INFORMATION	U.N.no.1017, IMDG Page : 2116 IMCO Class 2 and C.A.S.no.7782-50-5