

	<p>Precautions :-Avoid physical contact use Personal Protective Equipments. Store in a cool, dry, well ventilated location, away form heat. A separate covered storage area should be provided for drums.</p>
Point No. 8	<p>Exposure controls</p> <p>TLV (ACGIH) 10 (SHC) ppm 50 (SHC)mg/m3</p> <p>stel not listed</p> <p>Permissible :- 10 (SHC) ppm 50 (SHC)mg/m3</p> <p>LD – 50 908mg/kg.</p> <p>(oral –rat)</p> <p>Personal Protective equipment :- PVC hand gloves, gas mask with canister, on line air breathing appratus, B.A. Set poly carbonate goggles, face shied, gum boots PVC apron.</p>
Point No. 9	<p>Physical and Chemicals Properties</p> <p>Physical State :- liquid</p> <p>Appearance :- colourless</p> <p>Odour :- Sweet and pleasant</p> <p>Solubility in water 0.8% at 25⁰ C</p> <p>Vapour density 4.12 (air = 1)</p> <p>Boiling range/point 61.2⁰C</p> <p>PH : Neutral</p> <p>Melting / freezing point 63.5⁰C</p> <p>Vapour pressure, 152 mm Hg at 20⁰C</p> <p>Specific gravity – water = 1.149 at 20⁰C</p>
Point No. 10	<p>Stability and Reactivity</p> <p>Chemical Stability :- Yes, stabilizer is added before dispatch.</p> <p>Incompatibility :- Yes, strong alkalies, chemically active metals such as Al, Mg, Na, K.</p> <p>Reactivity :- Reacts violently with acetone + alkali, disiline, Al, Li, Mg.</p> <p>Hazardous reaction products :- when heated to decomposition, emits toxic fumes.</p>
Point No. 11	<p>Toxicological information</p> <p>Route of entry :- skin, contact, eye contact, inhalation, ingestion</p> <p>Effect of exposure :- Prolonged inhalation of high concentration may cause disorders. Eye contact causes pains and irritation. Ingestion causes severe burning & mouth and throat liver.</p> <p>Emergency Treatment :- Irrigate eyes with water. Wash contaminated areas of body with soap and water. Treat burn as usual gastric levage (stomach wash). If swallowed, followed by saline catharsis.</p>

Point No. 12	<p>Ecological information</p> <p>The majority of the environmental release from industrial uses are to the atmosphere, release to water and land will be primarily lost by evaporation and will end up in the atmosphere. Release to the atmosphere may be transported long distances and will photodegrade with a half-life of a few months. Spills and other releases on land will also leach into the ground water where it will reside for long periods of time.</p> <p>Environmental :- Chloroform will not be expected to bio-concentrate into the food chain but contamination of food is likely due to its use as an extractant and its presence in drinking water.</p>
Point No. 13	<p>Disposal Consideration</p> <p>Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.</p>
Point No. 14	<p>Transport information :-</p> <p>Formula CHCl_3 CAS NO. 67-66-3 U.N. No. 1888</p> <p>Regulated shipping identification name:- Chloroform Hazchem No. 2 Z Code/Label - poison, Chloroform class 6.1 Hazardous Waste I.D. No. 6 Packing group III</p>
Point No. 15	<p>Regulatory information :-</p> <p>Hazardous ingredients :- Chloroform</p> <p>CAS No. 67-66-3</p>
Point No. 16	<p>Other Information</p> <p>Information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacturer/seller to ensure that the information contained in the material safety data sheet is relevant to the product manufactured or sold by him as the case may be. The Government makes no warranties, expressed or implied, in respect of the adequacy of this document for any particular purpose.</p>