

Calcium Chloride :

Point no. 1	Chemical product and company identification.
Chemical product	CALCIUM CHLORIDE (Liquid Flakes & Powder)
synonyms	Carbon Tetra Chloride, Carbon chloride
Name of Manufacturing Company	M/s. Gujarat Alkalies & Chemicals Limited. P.O. Petrochemicals, Dist. Vadodara Pin code no. 391 346 State – Gujarat, INDIA Telephone No. 2232681, 2232981 –82, 2232039, 2230384 Fax No. 2232130
Point No. 2	Composition & information onj'ngredients Calcium Chloride
Point No. 3	<p>Hazardous Identification</p> <p>Emergency Overview: Contact with eyes causes irritation and possible transient corneal injury, reacts violently with (b2 o3+cao), BrF3 catalysers exothermic polymerisation of methyl vinyl ether</p> <p>Potential Health Effects:</p> <p>Inhalation: Mist inhalation may irritate nose, throat and lungs.may cause nose bleed.</p> <p>Skin: May cause irritative under Conditions of Prolonged contact or when moisture is present ,superficial burns may result. Contact with abraded or broken skin can cause severe necrosis.</p> <p>Eye Contact: May irritate or burn eyes. Possible transient corneal damage.</p> <p>Chronic Exposure: Not Applicable</p> <p>Aggravation of Pre-existing conditions: Not applicable</p>
Point No. 4	<p>First Aid Measure</p> <p>Eyes :- flush eyes with running wash.</p> <p>Skin :- remove contaminated clothing. Wash with plenty of running water. Get medical attention if irritation persists.</p> <p>Inhalation :- Move the victim to fresh air area.</p>
Point No. 5	<p>Fire Fighting Measure</p> <p>Fire –non flammable.</p> <p>Explosion – When mixed With furan2 peroxy-carboxylic Acid</p>
Point No. 6	<p>Accident Release Measures</p> <p>Swip and collect without making Dust. Cover with Dry Sand Seal all the waste iin vapour tight plastic bags for eventual disposal.</p>
Point No. 7	<p>Handling and storage</p> <p>Avoid contact with eyes,skin or clothing. Avoiding breathing dust.Use good personal hygene and housekeeping.</p> <p>Cool dry area prolonged stoarage may cause product to cake & become wet from atmospheric moisture.</p>
Point No. 8	<p>Exposure controls</p> <p>Ventilation system</p> <p>Local Exhaust</p> <p>In packaging and unloading areas open processing equipment and any other piaces where misty conditions prevail.</p>

	<p>Natural Ventilation Adequate for other area. Eye wash facility should be provided in storage and general work area.</p> <p>Respiratory Protection For misty conditions, wear NIOSH-approved mist Respirator.</p> <p>Eyes and Face For misty condition, or when handling solutions where there is a reasonable probability of eye contact, wear chemical safety goggles and hard hat. Under these conditions do not wear contact lenses.</p> <p>Hand Arms and Body As a minimum wear long-sleeves shirt and trousers rubber boots and gloves for routine product use. Cotton gloves Permitted for dry Products.</p>
Point No. 9	<p>Physical and Chemicals Properties</p> <p>Appearance: -White to off-white Odour: -odourless Solubility: -Soluble Specific Gravity: -2.1 at 25^o (solid) 20% cacl₂ 1.19 at 27^o c 34% cacl₂ 1.34 45% cacl₂ 1.47 pH Neutral to slightly alkaline % Volatiles by volume @ 21c (70f): Not Applicable Boiling Point > 1600^oc Melting Point 772^oc Vapour Density Not Pertient Vapour Pressure (mm Hg@ 20^oc 1.1 kpa Evaporation Rate (buAc=1)</p>
Point No. 10	<p>Stability and Reactivity Chemical Stability :- Stable Condition to Avoid Not applicable</p> <p>Incompatibility Reacts Violently with bromine tri-fluoride (brf₃) or a mixture of boron moxide and calcium oxide (b203-CaO) Water - reactive materials such as sodium causes an exothermic reaction. Methyl vinlether, starts runaway polymerization reaction. Zinc as in galvanized iron yields hydrogen gas, which may explode under these conditions.</p>
Point No. 11	<p>Toxicological information Acute toxicity: Moderate toxic Exposure limits: LD12 (orl-rat) American Conference of Governmental Industrial Hygienists 1000mg/kg (ACGIH) Threshold limit value. Time</p> <p>Anhydrous basis Weighted Average (TLV- particulate (Liquified mist) 10mg/m³ Chronic Toxicity : Not applicable Other Biological Exposure indices (BEI) Not Applicable</p>
Point No. 12	<p>Ecological information</p>

	Environmental Fate : No information Found Environmental Toxicity : No information found
Point No. 13	Disposal Consideration Consistent with the requirements of local waste disposal authorities
Point No. 14	Transport information :- Domestic (Land, D.O.T) Proper shipping Name CALCIUM CHLORIDE Harzard class 6.1 U.N .No UN2811 PackingGroup -- Cas No 10043-52-4
Point No. 15	Regulatory information :- EEC labeling CALCIUM CLORIDE Symbol -c- -- Phruses-R 35 --
Point No. 16	Other Information Rammabiity - Reactivity - Special - 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 manufacture/seller to ensure that the information contained in the material safety data sheet is relevant to the product manufacture handled 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.