



TGV SRAAC LIMITED

GONDIPARLA, KURNOOL - 518004

TGV SRAAC/MSDS/22
Rev. / Date: 01/ 03.07.2025



MSDS – CARBON TETRA CHLORIDE

1. Company Identification:

M/s TGV SRAAC LIMITED,
(Formerly Sree Rayalaseema Alkalies & Allied Chemicals Ltd.),
Gondiparla, Kurnool.
Phone : 08518 280006, 7, 8
Toll Free No. : 1800111735

2. Product Identification:

Chemical Name : Carbon tetra chloride.
Synonyms : Carbon chloride, Perchloro methane, Benzinoform.
Chemical Formula : CCl_4
Molecular Weight : 153.8
CAS Registry No. : 56-23-5.

3. Hazards Identification :

Colorless liquid with distinct odor.
Eyes: Causes irritation.
Skin: causes irritation, digestive disorders, Headache, and dizziness.
Inhalation: Causes dizziness, loss of coordination, anesthesia, may be accompanied by nausea, liver damage and Kidney damage.
Often reduces urinary output. Damages central nervous system.
Ingestion: Causes irritation, digestive disorders, head ache, drowsiness, dizziness, loss of coordination, lung congestion, effects on the brain, convulsions, coma, kidney damage, liver damage, reproductive effect and cancer.

4. First Aid Measures :

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin Contact: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Ingestion: If swallowed, drink plenty of water, do not induce vomiting. Get immediate medical attention. Induce vomiting only at the instructions of a physician. Do not give any by mouth to unconscious or convulsive person.

Inhalation: If adverse effect occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

5. Flammability:

No.
Flash point: Not flammable.
Hazardous combustion products : Emits toxic fumes of Chlorine & Phosgene.
Hazardous Polymerization: Will not occur.
Fire extinguishing Agent to be used.
Use regular Dry chemical, Foam and water. Move containers from fire area if it can be done without risk. Absorb on sand or earth for later disposal.

6. Accidental Release Measures:

Air Release: Use water spray.
Soil release: Trap spilled material at bottom in deep water pocket or with in sand bag barriers. Dyke for later disposal. Absorb with sand or other non-combustible material. Seal all waste in vapor tight plastic bags for eventual disposal.
Water Release : Remove trapped material at the bottom with suction hose.
Occupational Release :
Do not touch spilled material. Stop leak if possible without personal risk. Reduce vapor release with water spray.
Small spills : Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

Small dry spills : Move containers away from spill to a safe area.

Large spills : Dyke for later disposal. Keep unnecessary people away, isolate hazard area and deny entry. Ventilate closed spaces before entering. Notify Local Emergency Planning Committee and Emergency Response.

7. Handling and Storage :

Protect from physical damage. Store in a cool, dry place in a well-ventilated area. Avoid heat, flames, sparks and other sources of ignition.

8. Exposure Controls / Personnel Protection:

Wear safety glasses, gloves, provide PVC or rubber hand gloves, air supplied mask, organic vapor canister with full face masks, rubber apron and shoes.

9. Physical and chemical properties:

Physical state : Colorless liquid.
Boiling point : 77 °C
Freezing point : -23 °C
Specific gravity at 27 °C : 1.590
Vapor pressure at 20 °C : 91 mm of Hg.
Solubility in water : 0.08g/100 cc.

10. Stability and reactivity:

Reactivity :
Stable at normal temperature and pressure.
Conditions to avoid :
Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat.
Incompatibilities :
Combustible materials, metal salts, peroxides, halogens, oxidizing materials, metals, bases, amines.
Hazardous Decomposition :
halogenated compounds and oxides of carbon.
Hazardous Polymerizations :
Not occur.

11. Toxicological Information:

Permissible exposure limit :

Skin 5 ppm, 30 mg/m³
TLV : skin 5 ppm, 30 mg/m³
Odor Threshold : >10ppm

12. Ecological Information :

Aquatic toxicity: Fish: 43100 microgram/L..96 hours.
Potential to Bioaccumulations: Not detectable.

13. Disposal Consideration:

Disposal in accordance with all applicable and federal, state and local environment regulations. Thermal decomposition products : Phosgene,

14. Transport Information:

Proper shipping name: Carbon Tetra Chloride.
Hazard Classification : 6.1
U.N.No. : 1846.
Marine Pollutant : Carbon Tetra Chloride

15. Regulatory Information:

Local Regulatory bodies:

APPCB, Kurnool.
Dy. Chief Inspector of Factories, Kurnool.

16. Other Information:

Information containing in this MSDS is believed to be reliable. But no guarantee is made as to its accuracy, suitability for a particular application or results to be obtained from them.

Contact Person :

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