

SAFETY DATA SHEET

SDS No.1021-21009

Revised Date June 6, 2014

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : 1,2,3,5-Tetrachlorobenzene
NAME OF MANUFACTURER : GL Sciences Inc.
ADDRESS : 22-1 Nishishinjuku 6-chome Shinjuku-ku Tokyo 163-1130, Japan
CHARGE SECTION : International Sales Section
TELEPHONE No. : +81-3-5323-6620
FACSIMILE No. : +81-3-5323-6621
PRODUCT No. : 1021-21009
SDS No. : 1021-21009
Research use only.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION : Acute toxicity - oral : Category 4
HAZARDS SYMBOL :



SIGNAL WORD : Warning

HAZARD STATEMENT :
H302 Harmful if swallowed

PRECAUTIONARY STATEMENTS :
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P330 Rinse mouth.
P501 Dispose of contents/container in accordance with all applicable regulations.

OTHER INFORMATION : Hazard to aquatic life of this product is unvalued. But structural isomer is very toxic to aquatic life, so this may be toxic to aquatic life.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY : 1,2,3,5-Tetrachlorobenzene
SYNONYMS : - - -
CHEMICAL FORMULA : C₆H₂Cl₄
CONTENT : > 99 %
MOLECULAR WEIGHT : 215.89
CAS No. : 634-90-2
TSCA INVENTORY : Listed
EINECS No. : 211-217-7
EC INDEX No. : Not established

4. FIRST AID MEASURES

GENERAL ADVICE : Wash off immediately with soap and plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment.

INHALATION : Move victim to fresh air. If breathing is difficult, give oxygen. If irritation persists, consult a physician.

SKIN CONTACT : Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. If irritation persists, consult a physician.

EYE CONTACT : Remove any contact lenses at once. Flush eyes well with flooding large amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.

INGESTION : Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician immediately.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Carbon dioxide, dry chemical powder, foam, water spray
 FIRE & EXPLOSION HAZARDS : Combustible solid. Toxic, irritating fumes or smoke may be emitted.
 SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS : Fireman should wear normal protective equipment(full bunker gear) and positive-pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS : Remove ignition sources and ventilate the area.
 In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising dust and avoid contact with skin and eyes.
 ENVIROMENTAL PRECATIONS : Prevent spills from entering sewers, watercourses or low areas.
 METHODS FOR CLEAN UP : Do not touch spilled material without suitable protection. After material is completely picked up, wash the spill site with soap and water and ventilate the area. Pull all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose contaminated clothing.

7. HANDLING AND STORAGE

HANDLING : Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Handle material with suitable protection.
 After using this product, dispose of contents/container in accordance with all applicable regulations and appropriate ways.
 STORAGE : Store away from sunlight in well-ventilated dry place.
 Keep container tightly closed.
 INCOMOPATIBLE PRODUCTS : Strong oxidizers and acids, strong bases

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING MEASURES : Use exhaust ventilation to keep airborne concentrations below exposure limits.
 Use only with adequate ventilation.
 VENTILATION : Local Exhaust ; Necessary, Mechanical(General) ; Recommended
 PERSONAL PROTECTION
 RESPIRATORY PROTECTION : Use respirators approved under appropriate government standards and follow all regulations.
 HAND PROTECTION : Protective gloves
 EYE PROTECTION : Safety glasses(goggles)
 SKIN PROTECTION : Protective clothing
 CONTROL PARAMETERS
 OSHA : Not established
 NIOSH REL : Not established
 ACGIH : Not established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : White
 SHAPE : Solid
 ODOR : No data available
 pH : No data available
 BOILING POINT : 246°C
 MELTING POINT : 52°C
 FLASH POINT : 155°C
 FLAMMABILITY : No data available
 AUTOIGNITION TEMPERATURE : No data available
 VAPOR PRESSURE : No data available
 VAPOR DENCITY : No data available
 DENCITY : Not available
 SPECIFIC GRAVITY : No data available
 SOLUBILITY IN
 WATER : Insoluble
 Organic solvent : Soluble
 PARTITION COEFFICIENT: n-octanol/water : 4.47

DECOMPOSITION TEMPERATURE: No data available

10. STABILITY AND REACTIVITY

REACTIVITY : Stable under usual condition.

CHEMICAL STABILITY : No data available

CONDITION TO AVOID : Heat, contact with incompatible materials.

INCOMPATIBLE MATERIALS : Strong oxidizer, strong bases

HAZARDOUS DECOMPOSITION PRODUCTS

: CO, Hydrogen chloride, chloroethylene, phosgene

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY -oral- : rat - LD50=1,727mg/kg(Profiles of the initial environmental risk assessment of chemicals,8th,2010)

SKIN CORROSION/IRRITATION : No data available

EYE DAMAGE/EYE IRRITATION : No data available

GERM CELL MUTAGENICITY : No data available

CARCINOGENICITY : No data available

REPRODUCTIVE TOXICITY : No data available

SPECIFIC TARGET ORGAN TOXICITY-single exposure

: No data available

SPECIFIC TARGET ORGAN TOXICITY-repeated exposure

: No data available

ASPIRATION TOXICITY : No data available

12. ECOLOGICAL INFORMATION

ECOTOXICITY : No data available

BIODEGRADABILITY : No data available

BIOACCUMULATION POTENTIAL : No data available

MOBILITY IN SOIL : No data available

OTHER ADVERSE EFFECTS : Not listed in Montreal Protocol.

13. DISPOSAL INFORMATION

Dispose in a hazardous-waste site in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environment agency for specific rules).

14. TRANSPORT INFORMATION

IATA : Not applicable

DOT : Not applicable

15. REGULATORY INFORMATION

US REGULATIONS : Labeling according to US regulations; See section 2

EU REGULATIONS : Labeling according to EC Directives; See section 2

16. OTHER INFORMATION

NOTICE:

The information contained in the SDS description is applicable exclusively to the chemical substance identified herein and for its intended use as an analytical reference standard or reagent and to the unit quantity intended for that purpose. The information does not relate to, and may not be appropriate for, any application or larger quantity of the substance described. Our products are intended for the use by individuals possessing sufficient technical skill and qualification on use the material potential hazardous chemical. Accordingly, no representation or warranty, express or implied, with respect to merchantability and fitness for a particular purpose is made with respect to the information contained herein.

Attention:

This product in terms of chemical identity and the unit amount provide is intended for use in chemical analysis and not for human consumption, nor any other purpose.