



SAFETY DATA SHEET

PENTAERYTHRITOL

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1. Identification

Chemicals name : PENTAERYTHRITOL
Other Names : —
Recommended use and restrictions on use : —
Names, addresses, and phone numbers of the manufacturer, importer or supplier : LCY Chemical Corp. Kaohsiung site No. 3, Jhonglin Rd., Xiaogang District, Kaohsiung City 812, Taiwan Tel : 886-7-8712890 Fax : 886-7-8714723
Emergency contact phone numbers/fax numbers : 886-7-871-2890

2. Hazards identification

Chemicals hazard class :
This substance is not be classified as dangerous according to the regulation Environmental Resource Database of Environmental Protection Administration, R.O.C
Signal words : Not applicable
Information concerning particular hazards for human and environment :
This substance is not be classified as dangerous according to the regulation Environmental Resource Database of Environmental Protection Administration, R.O.C
Classification system : Not applicable
Hazard statement : Not applicable
Additional information : Risk of dust explosion

3. Composition/information on ingredients

Substance/Preparation : Substance
Chemical name : Pentaerythritol
CAS No. : 115-77-5 EINECS:204-104-9
Concentration (wt%) : 95~100%

4. First-aid measures

General information : Remove any clothing soiled by the product
Inhalation : If inhaled, remove to fresh air
Ingestion : Make victim drink water. Get medical attention if symptoms appear
Skin Contact : In case of contact, immediately flush skin with plenty of water
Eye Contact : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15minutes, keeping eyelids open.
Swallowing : Rinse out mouth and then drink plenty of water or milk. If you feel unwell consult doctor

5. Fire-fighting measures



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Extinguishing Media Suitable	:	DRY chemical powder, Water spray, fog or foam, Carbon dioxide.
Special Procedure of fire-fighting	:	(1)Remove unburned dipentaerythritol. (2)With large amount of water or water spray to extinguish and cooling building or containers. (3)Dust can combine with air to form an explosive mixture; do not use compressor air to replace the dust.
Protection of fire-fighters	:	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal precautions	:	Avoid contact with skin and eyes. Wear appropriate respirator to avoid breathe dust.
Environmental Precautions	:	Store in proper vessel and keep the environment away from sunshine and direct heat
Clean-up Methods	:	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. Handling and storage

Handling	:	Take precautionary measures against electrostatic discharges. Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Ventilation is normally required when handling or using this product.
Storage	:	Keep container tightly closed, dry and good ventilation.

8. Exposure controls/personal protection

Engineering measures	:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Permissible exposure Limits	:	Time weighted average (TWA) : – Short-term exposure limit (STEL) : – Maximum exposure limit (CEILING) : –
Personal protective equipment		
Respiratory system	:	Wear appropriate respirator when ventilation is inadequate
Eyes	:	Splash goggles
Hands	:	Gloves
Skin and body	:	Work uniform or laboratory coat
Hygiene measures	:	(1) Work with personal protective equipment. (2) Wash thoroughly after handling.

9. Physical and chemical properties

Decomposition temperature : 260-269°C	Appearance : White crystallize, free flowing powder
Color : White	Odor : Odorless
pH : 7	Boiling Point : 276°C
Auto-ignition temperature : 490°C	Flash Point : 179°C Test Method : <input type="checkbox"/> open cup <input checked="" type="checkbox"/> close cup
Flammability : Non-flammable solids	Explosion Limits : 30 g/m ³
Vapor Pressure : <1mmHg @20°C	Vapor Density : 4.7
Density : 1.4g/cm ³ @25°C	Solubility : 5-7.5(%) (7.23 g/100g H ₂ O @25°C)



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10. Stability and reactivity

Stability : The product is stable on normal condition.
Possible Hazardous Reactions Occurring under Specific Conditions: No information available
Avoid matter : Oxidizing agent
Condition to avoid: —
Hazardous —

11. Toxicological information

Route of exposures: inhalation , ingestion ,skin eye contact
Symptoms : No information available
Acute toxicity: LD50: 25500mg/kg
Chronic Toxicity or delay Toxicity : No information available

12. Ecological information

Ecotoxicity : No information available
Persistence/degradability : No information available
Bio-accumulative potential : No information available
Mobility in soil : No information available
Other adverse effect : No information available

13. Disposal considerations

Methods of disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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14. Transport information

UN Number: Not applicable
UN classification name: Not classified
Transport hazard class: No information available
Packing group: No information available
Marine pollution: No
Specific precautionary transport measures and condition: No information available

15. Regulatory information

Application regulation: <ol style="list-style-type: none">1. labor regulations2. dangerous and harzadous chemicals warning label regulations3. Traffic and transportation regulations



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16. Other information

Literature references	1. CHEMINFO DATA BASE , CCINFO , 98-2 2. RTECS DATA BASE , TOMES PLUS , Vol.41 , 1999 3. HSDB DATA BASE TOMES PLUS , Vol.41 , 1999
Organization that prepared the SDS	LCY Chemical Corp. Kaohsiung site No. 3, Jhonglin Rd., Xiaogang District, Kaohsiung City 812, Taiwan Tel : 886-7-8712890 Fax : 886-7-8714723
Person who prepared the SDS	TITLE: Director NAME: Ken Liu
Date that the SDS was prepared:	2021-01-10

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