



Safety Data Sheet

2024.03.31 REVISED

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

Extinguishing Media : DRY chemical powder, Water spray, fog or foam, Carbon dioxide.

Suitable

Special Procedure of : (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.

fire-fighting

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 :	Time weighted average (TWA)	:	-
Limits	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)

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.

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:

1. labor regulations
2. dangerous and harzadous chemicals warning label regulations
3. Traffic and transportation regulations

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
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Person who prepared the SDS	TITLE: Director NAME: Ken Liu
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