



# **SAFETY DATA SHEET**

## **DIPENTAERYTHRITOL**

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### **1. Identification of the substance/preparation and of the company/undertaking**

<b>Product name</b> : DI-PENTAERYTHRITOL	
<b>Supplier</b>	: LCYCIC Kaohsiung Factor 3, Chung Lin Road, Elchyan Village, Hsiaokang, Kaohsiung, Taiwan 81208, ROC Tel : (07)8712890.8712375 Telefax : (07)8714723
<b>Emergency telephone number</b> : (07)871-2890	

### **2. Hazards identification**

<b>Hazard description</b> : Not classified
<b>Information concerning particular hazards for human and environment</b> :
The product does not have to be labeled due to the classification guideline for preparations of the GHS'' in the latest valid version
<b>Classification system</b> :
The classification is according to the latest edition of the GHS-list, and extendedly company and literature
<b>Additional information</b> : Risk of dust explosion

### **3. Composition/information on ingredients**

<b>Substance/Preparation</b> : Substance
<b>Chemical name</b> : Di-Pentaerythritol
<b>CAS No.</b> : 00126-58-9 EINECS:204-794-1
<b>Concentration (wt%)</b> : >90~94%
<b>Chemical name</b> : Pentaerythritol
<b>CAS No.</b> : 00115-77-5 EINECS:204-104-9
<b>Concentration (wt%)</b> : 0~5%
<b>Chemical name</b> : tripentaerythritol.
<b>CAS No.</b> : 00078-24-0 EINECS:201-097-4
<b>Concentration (wt%)</b> : 0~5%

### **4. First-aid measures**

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

### 5. Fire-fighting measures

<b>Extinguishing Media Suitable</b>	: DRY chemical powder, Water spray, fog or foam, Carbon dioxide.
<b>Special Procedure of fire-fighting</b>	: (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.
<b>Protection of fire-fighters</b>	: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

### 6. Accidental release measures

<b>Personal precautions</b>	: Avoid contact with skin and eyes. Wear appropriate respirator to avoid breathe dust.
<b>Environmental Precautions</b>	:
<b>Clean-up Methods</b>	: 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

<b>Handling</b>	: 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.
<b>Storage</b>	: Keep container tightly closed, dry and good ventilation.

### 8. Exposure controls/personal protection

<b>Engineering measures</b>	: 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.
<b>Permissible exposure Limits</b>	: Time weighted average (TWA) : - Short-term exposure limit (STEL) : - Maximum exposure limit (CEILING) : -
<b>Personal protective equipment</b>	
<b>Respiratory system</b>	: Wear appropriate respirator when ventilation is inadequate
<b>Eyes</b>	: Splash goggles
<b>Hands</b>	: Gloves
<b>Skin and body</b>	: Work uniform or laboratory coat
<b>Hygiene measures</b>	: (1) Work with personal protective equipment. (2) Wash thoroughly after handling.

### 9. Physical and chemical properties

<b>Physical state</b> : Solid (Powder)	<b>Appearance</b> : White crystallize, free flowing powder
<b>Color</b> : White.	<b>Odor</b> : Odorless
<b>pH</b> : 7	<b>Boiling Point</b> : Melting Point : 218~224°C
<b>Decompose Point</b> : 356°C	<b>Flash Point</b> : >150°C <b>Test Method</b> : <input checked="" type="checkbox"/> open cup    close cup



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Flash point : >150°C	Explosion Limits : >20 g/m <sup>3</sup>
Vapor Pressure : <1mmHg	Vapor Density :
Density : 1.36g/cm <sup>3</sup> @25°C	Solubility : Very slightly soluble in cold water, hot water

### 10. Stability and reactivity

Stability : The product is stable on normal condition.
Avoid matter : Oxidizing agent

### 11. Toxicological information

Acute toxicity : Ames test: Negative. LC50 : 25500mg/kg LD50 :- LC <sub>L0</sub> :-
Mutagenic effects :

### 12. Ecological information

Persistence/degradability : Non biodegradable according to OECD.COD 2000 mg/g
Ecotoxicity : LC50: >100 mg/l, 96 hours [Fish]. NOEC: >100 mg/l, 48 hours [Daphnia]. NOEC: >100 mg/l, 72 hours [Algae].

### 13. Disposal considerations

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

International transport regulations
Land - Road/Railway
ADR/RID Class : Not controlled under ADR (Europe).
Sea
IMDG Class : Not controlled under IMDG
Air
IATA-DGR Class : Not controlled under IATA

### 15. Regulatory information

EU Classification (67/548/EEC-88/379/EEC)
This product is not classified according to the EU regulations

### 16. Other information

Reference literature	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 4.
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**HISTORY**

**Date of printing** : 2008-12-01

**Date of issue** : 2008-12-01

**560-MSD-01.001**