

**1. Identification**

<b>Product Identifier : GLYCYLGLYCINE</b>
<b>Synonyms: -</b>
<b>Suggestive Use: -</b>
Names, addresses, and phone numbers of the maker, importer or supplier: TAIWAN HOPAX CHEMICALS MFG. CO., LTD. No.28, Hua Dong Road, Daliao, Kaohsiung 83162, Taiwan TEL.:886-7-7887600
<b>Emergency contact phone numbers/fax numbers : 886-7-7887600 / 886-7-7872892</b>

**2. Hazards Identification**

<b>Chemicals Classification : -</b>
<b>Labeling : -</b>
<b>Symbol : -</b>
<b>Signal word : -</b>
<b>Hazard statement :</b> Causes eye and skin irritation.
<b>Precautionary statements :</b> Do not eat, drink or use tobacco when using this product. Wear respiratory protection, protective gloves and eye/face protection. Use only in a well-ventilated area. Wash thoroughly after handling.
<b>Other hazards : -</b>

**3. Composition / Information on ingredients**
**Pure material :**

<b>Chinese and English name : 雙甘氨酸 / Glycyl-glycine</b>
<b>Synonyms : -</b>
Chemical Abstract Service No.(CAS No.) : <b>556-50-3</b>
<b>The hazardous ingredient (%of the content) : -</b>

**Mixtures :**

<b>Chemical properties : -</b>	
Chinese and English names of The hazardous ingredients	Concentration or concentration ranges(ingredient percentage)
-	-

**4. FIRST AID MEASURES**

The first aid measures for different exposure routes: <b>Inhalation</b> : If inhaled, remove to fresh air. If not breathing give artificial respiration. <b>Skin</b> : In case of contact, immediately wash skin with soap and copious amounts of water. <b>Eyes</b> : In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.
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<b>Ingestion</b> : If swallowed, wash out mouth with water provided person is conscious. Call a physician.
The most important symptoms and hazardous effects : -
The protective of first-aiders: : -
Notes to a physician : -

## 5. FIRE FIGHTING MEASURES

<b>Suitable fire extinguishing media:</b> Water spray. Carbon dioxide, Dry chemical power, Alcohol or polymer foam.
<b>Specific hazards may be encountered during fire-fighting:</b> -
<b>Specific fire-fighting methods:</b> Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<b>Special equipment for the protection of firefighters:</b> -

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b> : Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.
<b>Environmental precautions</b> : -
<b>Methods for cleaning up</b> : Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

## 7. HANDLING AND STORAGE

<b>Handling:</b> Avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling.
<b>Storage:</b> Keep in a tightly closed container, store in a cool, dry, ventilated place. Isolate from any source of heat or ignition.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering control</b> : -
<b>Control parameters:</b> <b>8 hours time weighted average exposure limits/Short-term exposure limits/maximum exposure limits biological standards:</b> -
<b>Personal Protective Equipment</b> :
<b>Respiratory protection</b> : -
<b>Hand protection:</b> Wear gloves.
<b>Eye protection:</b> Wear goggles or a face shield.
<b>Skin and body protection:</b> Wear boots, and protective clothing.
Hygiene measures:-

## 9. PHYSICAL/CHEMICAL PROPERTIES

<b>Appearance (physical state, color, etc.)</b> : White Powder	<b>Odor</b> : odorless
<b>Odor threshold</b> : -	<b>Melting point</b> : 215°C
<b>pH-value</b> : -	<b>Boiling point/boiling point range:-</b>
<b>Flammability(solid, gas)</b> : -	<b>Flash point</b> : N/A (recommended to keep under

<b>Decomposition temperature : -</b>	<b>110°C)</b>
<b>Auto-ignition temperature : -</b>	<b>Explosion limits : -</b>
<b>Vapor pressure : -</b>	<b>Vapor density : -</b>
<b>Density : -</b>	<b>Solubility : 2g/100ml(water)</b>
<b>Partition coefficient (n-octanol/water,log Kow): -</b>	<b>Evaporation rate : -</b>

**10. STABILITY AND REACTIVITY**

<b>Stability:</b> Stable under normal temperatures and pressures.
<b>Possibility of hazardous under specific conditions: -</b>
<b>Conditions to avoid : -</b>
<b>Materials to avoid : -</b>
<b>Hazardous decomposition products :</b> Toxic fumes of : Carbon monoxide,Carbon dioxide,Nitrogen oxides.

**11. TOXICOLOGICAL INFORMATION**

<b>Routes of exposure</b>
<b>Acute Toxicity :</b> Inhalation Toxicity : - Dermal Irritation : - Eye Irritation : - Oral Toxicity : - <b>LD50(test animal 、absorb way) : - mg/kg(rat , Oral)</b> <b>LC50(test animal 、absorb way) : - mg/m3/30min(rat , Inhalation)</b>
<b>Target organ effects: -</b>
<b>Irritation : -</b>
<b>Subchronic/Chronic Toxicity : -</b>
<b>Special effects : - mg/kg</b>

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity : LC50 (fish) : -</b> <b>EC50 (aquatic and terrestrial) : -</b> <b>BCF : -</b>
<b>Persistence and degradability : -</b>
<b>Bioaccumulative potential : -</b>
<b>Mobility in soil : -</b>
<b>Other adverse effects : -</b>

**13. DISPOSAL CONSIDERATIONS**

<b>Methods of waste disposal:-</b>
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**14. TRANSPORT INFORMATION**

<b>United Nations number (UN No) :</b> Not applicable
<b>UN proper shipping name :</b> Not applicable
<b>Transport hazard class :</b> Not dangerous sample.

<b>Packing Group</b> : Not applicable
<b>Marine Pollutant (Yes/No)</b> : No
Specific transport measures and precautionary conditions : Not applicable

**15. REGULATORY INFORMATION**

Applicable regulations: -
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**16. OTHER INFORMATION**

Literature References	-
<b>Organization that prepared the SDS</b>	<b>Name</b> : TAIWAN HOPAX CHEMICALS MFG. CO., LTD.
	<b>Address/telephone number:</b> No.28, Hua Dong Road, Daliao, Kaohsiung 83162, Taiwan TEL.:886-7-7887600
	<b>Date that the SDS was prepared:</b> 2018/05/01