

# Material Safety Data Sheet



SH Energy & Chemical Co., Ltd.  
25, Soryong-Dong Gunsan-City  
Jeonlabuk-Do, Korea

TEL : 82-63-469-1500  
FAX : 82-63-469-1519  
469-1579

## 1. COMPANY IDENTIFICATION

NAME OF MANUFACTURER : SH ENERGY & CHEMICAL CO., LTD.

NAME OF SECTION : QUALITY ASSURANCE SECTION

ADDRESS : 25, Soryong-Dong, Gunsan-City, Jeonlabuk-Do, Korea

TELEPHONE NUMBER : 82-63-469-1500

FAX NUMBER : 82-63-469-1519

## 2. HAZARD IDENTIFICATION

### NFPA Ratings(0-4)

Health : 1, Fire : 1, Reactivity : 0

### CLASS NAME OF HAZARDOUS CHEMICALS FOR SDS IN JAPAN

Other harmful substances : None

Improper transfer may cause electrostatic spark

### PHYSICAL AND CHEMICAL HAZARD

Contains substance which generate toxic gas by incineration

### POTENTIAL HEALTH EFFECTS

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

TRADE NAME : ANYBES

INGREDIENT	CAS-No	PERCENT
Polyamide-12	25038-74-8	100%

Not contains hazardous ingredient which would exceed the regulated limit.

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## 4. FIRST – AID MEASURES

### EYE CONTACT

Gently rinse the affected eyes with clean water for at least 15minutes. Rinse the eyes up to the back of eyelids  
Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

### SKIN CONTACT

Wipe off contacted materials from skin with clean cloth.  
Wash the affected areas under running water using a mild soap. Do not use organic solvent to wash.  
If there is any change in skin appearance and/or any pain, arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

### INHALATION

Remove the victim immediately from the contamination to fresh air area and keep warm and quiet.  
If breathing is weak, irregular or has stopped, open his airway, loosen his collar and belt and administer artificial respiration.  
Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.  
Do not swallow up the vomit  
Refer MSDS and label of container.

### INGESTION

Keep the victim quiet and arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.  
Do not swallow up the vomit.

## 5. FIRE – FIGHTING MEASURES

### FIRE AND EXPLOSIVE PROPERTIES

Flash Point	Nil	Explosion Limit	Upper	NA
Auto Ignition Temperature	NA		Lower	NA

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## EXTINGUISHING MEDIA

In case of fire, use water spray, carbon dioxide, foam or dry chemical powder.

## SPECIAL FIRE-FIGHTING INSTRUCTIONS

Firefighters should wear proper protective equipment (heat resisting clothes, self-contained breathing apparatus).

Move flammable substance from fire areas, if it can be done without risk.

Use the fire extinguisher specified.

## FIRE AND EXPLOSION HAZARDS

Dust may cause an explosion hazard under extreme conditions(contact with an ignition source).

## 6. ACCIDENTAL RELEASE MEASURES

### IN CASE OF SPILL OR LEAK

Wear proper protective equipment (Gloves, Apron, Safety goggles and etc.)

Stop the leak, if possible. Place spilled materials in a chemical waste container and move to safety areas.

For large spills, construct a dike to prevent spreading, for later disposal. Prevent spilled materials from entering into rivers, sewer, watercourses or low areas

Ensure disposal in compliance with government requirements and conformity to local disposable regulations

## 7. HANDLING & STORAGE

### HANDLING

Use only in the well-ventilated areas. Keep container tightly closed. Use proper protective equipments to avoid contact with skin, eyes or clothing. Keep away from sparks and flames. Wash hand and face well after handling this material. Do not bring contaminated protective equipment into a resting room etc.

### STORAGE

Protect from direct sunlight.

Store in a well-ventilated location, in a cool, dry location

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING MEASURES

In confined working places, use automatic sprayers or installed a facility where workers have no direct contact or can be protected from explosion and exposure by ventilation.

Use in well-ventilated areas.

### PERSONAL PROTECTIVE EQUIPMENT

\* RESPIRATORY PROTECTION: Use proper protective equipment.

\* EYE PROTECTION: Wear protective eyeglasses.

\* SKIN PROTECTION: To prevent any contact, wear impervious clothing such as gloves, apron, boots or whole body suits made from Neoprene, as appropriate.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>APPEARANCE</b>	<b>Solid Powder</b>
<b>COLOR</b>	<b>White</b>
<b>ODOR</b>	<b>Odorless</b>
<b>BOILING POINT</b>	<b>NA</b>
<b>VAPOR PRESSURE</b>	<b>NA</b>
<b>MELTING POINT</b>	<b>165 ~ 175 °C</b>
<b>VAPOR DENSITY</b>	<b>NA</b>
<b>PH</b>	<b>6 ~ 8, at dilution aq.</b>
<b>BULK DENSITY</b>	<b>170 ~ 330kg/m<sup>3</sup></b>
<b>SOLUBILITY IN WATER</b>	<b>Insoluble</b>
<b>OTHERS</b>	<b>Nil</b>

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## 10. STABILITY AND REACTIVITY

### STABILITY & REACTIVITY

This material is considered a stable material under normal and anticipated storage and handling condition.

Decomposition product: Toxic fumes of carbon monoxide, carbon dioxide.

### INCOMPATIBILITY

Avoid contact with heat and moisture.

## 11. TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION.

No information

## 12. ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

Fish toxicity: No information

## 13. DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL METHOD

Any disposal practice must be in compliance with local, state or federal laws and regulations.

(Contact local or environmental agency for specific rules.)

Do not dump into sewers, on the ground or into any water.

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## 14. TRANSPORT INFORMATION

### TRANSPORT INFORMATION

Any transportation practice must be in compliance with local, state or federal laws and regulations.

(Contact local or environmental agency for specific rules.)

General precautions should be minded in storage and handing of the material.

## 15. REGULATORY INFORMATION

### REGULATORY INFORMATION

Regulatory information with regard to this substance in your country or region should be examined and is your own responsibility.

## 16. OTHER INFORMATION

### REFERENCE

「Handbook for Solvent」 「Handbook for Industrial Poisoning」 「Chemical Product」

### REMARK

To the best of our knowledge, the information herein is given in good faith, no warranty, expressed or implied, is made.

### KEY LEGEND INFORMATION

NA = Not Applicable

NE = Not Established