1. PRODUCT AND COMPANY IDENTIFICATION

Product code : 06275052

Manufacturer or supplier's details
Supplier : 朗盛化学(中国)有限公司
上海市黄浦区湖滨路150号企业天地商业中心5号楼6楼
200021, 中华人民共和国
Telephone : +862161096666
E-mail address of person responsible for the SDS : lxsssds-china@lanxess.com
Emergency telephone number : +86 532 83889090

Supplier : LANXESS Chemical (China) Co., Ltd.
6th Floor, 5 Corporate Avenue
No. 150, Hu Bin Road Shanghai, 200021, People's Republic of China
Telephone : +862161096666
E-mail address of person responsible for the SDS : lxsssds-china@lanxess.com
Emergency telephone : +86 532 83889090

Emergency telephone number : +86 532 83889090
E-mail address of person responsible for the SDS : lxsssds-china@lanxess.com
Emergency telephone : +86 532 83889090

Recommended use of the chemical and restrictions on use
Recommended use : Ion exchange, resins and catalysts

2. HAZARDS IDENTIFICATION

Emergency Overview

| Appearance | beads |
| Colour     | beige, opaque |
| Odour      | odourless |

Causes serious eye irritation.

GHS Classification

Serious eye damage/eye irritation : Category 2A

GHS label elements

Hazard pictograms : 

Print Date: 2019/02/21
Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements :

**Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/face protection.

**Response:**
P305 + P351 + P338 If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

**Physical and chemical hazards**
Not classified based on available information.

**Health hazards**
Causes serious eye irritation.

**Environmental hazards**
Not classified based on available information.

**Other hazards which do not result in classification**
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance / Mixture** : Mixture

**Hazardous components**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, diethenyl-., polymer with ethenylbenzene and ethenylethylbenzene,</td>
<td>114060-55-8</td>
<td>&gt;= 30 - &lt; 50</td>
</tr>
<tr>
<td>[bis(phosphonomethyl) amino]methyl [(phosphonomethyl)amino]methyl derivs., sodium salts</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES

**General advice** :
Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

**If inhaled** :
Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
If symptoms persist, call a physician.
If unconscious, place in recovery position and seek medical advice.
Keep respiratory tract clear.
Loosen tight clothing such as a collar, tie, belt or waistband.

In case of skin contact: If on skin, rinse well with water.
Take off contaminated clothing and shoes immediately.
If symptoms persist, call a physician.
Wash contaminated clothing before reuse.

In case of eye contact: Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed: Rinse mouth with water.
Give small amounts of water to drink.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
Never give anything by mouth to an unconscious person.
If unconscious, place in recovery position and get medical attention immediately.
Keep respiratory tract clear.
Loosen tight clothing such as a collar, tie, belt or waistband.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed: Causes serious eye irritation.
See Section 11 for more detailed information on health effects and symptoms.

Notes to physician: No special measures required.
Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: Do NOT use water jet.

Specific hazards during firefighting: No known significant effects or critical hazards.

Hazardous combustion products: Carbon dioxide (CO2)
Carbon monoxide
Metal oxides

Specific extinguishing method: Promptly isolate the scene by removing all persons from the
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
No action shall be taken involving any personal risk or without suitable training.
Keep unnecessary and unprotected personnel from entering.
Do not touch or walk through spilt material.
Avoid breathing dust.
Avoid dust formation.
Provide adequate ventilation.
In case of inadequate ventilation wear respiratory protection.
Use personal protective equipment.

Environmental precautions:
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up:
Move containers from spill area.
Pick up and arrange disposal without creating dust.
Sweep up or vacuum up spillage and collect in suitable container for disposal.
Keep in suitable, closed containers for disposal.
Dispose of wastes in an approved waste disposal facility.

7. HANDLING AND STORAGE

Handling:
Advice on protection against fire and explosion:
Avoid dust formation.
Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling:
For personal protection see section 8.
Avoid contact with skin and eyes.
Do not breathe vapours/dust.
Avoid formation of respirable particles.
Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.
Avoidance of contact: Oxidizing agents

Storage:
Conditions for safe storage: Take action to prevent static discharges. Do not allow to dry.
Store in accordance with local regulations. Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

Recommended storage temperature: -20 - 40 °C

Further information on storage stability: No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters:
Contains no substances with occupational exposure limit values.

Personal protective equipment:
Respiratory protection: Respirator must be worn if exposed to dust.
Filter type: dust-protection mask
Eye/face protection: Safety glasses with side-shields
Skin and body protection: Wear suitable protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hand protection:
Wearing time: < 60 min
Material: Polyvinyl chloride - PVC
Material: Nitrile rubber - NBR
Material: Polychloroprene - CR
Remarks: After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Hygiene measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.
9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : beads
Colour : beige, opaque
Odour : odourless
Odour Threshold : No data available
pH : 7
Concentration: 10 %
Melting point/freezing point : No data available
Boiling point/boiling range : No data available
Flash point : No data available
Evaporation rate : No data available
Flammability (solid, gas) : No data available
Upper explosion limit / Upper flammability limit : No data available
Lower explosion limit : No data available
Vapour pressure : No data available
Relative vapour density : No data available
Relative density : No data available
Density : 1.2 g/cm³ (20 °C)
Bulk density : 700 - 800 kg/m³
Solubility(ies)
Water solubility : insoluble
Partition coefficient: n-octanol/water : No data available
Ignition temperature : > 250 °C
Decomposition temperature : No data available
Viscosity : No data available
Explosive properties : No data available
10. STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur. No hazards to be specially mentioned.

Conditions to avoid: Take measures to prevent the build up of electrostatic charge. Contact with strong oxidising agents may cause hazardous reactions.

Incompatible materials: Oxidizing agents

Hazardous decomposition products: No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified based on available information.

Components:
Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, [bis(phosphonomethyl) amino]methyl [(phosphonomethyl)amino]methyl derivs., sodium salts:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Remarks: Test results on an analogous product

Skin corrosion/irritation
Not classified based on available information.

Components:
Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, [bis(phosphonomethyl) amino]methyl [(phosphonomethyl)amino]methyl derivs., sodium salts:
Result: No skin irritation
Remarks: Test results on an analogous product

Serious eye damage/eye irritation
Causes serious eye irritation.
Components:
Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene,
[bis(phosphonomethyl) amino]methyl [(phosphonomethyl)amino]methyl derivs., sodium salts:
Result: Irritating to eyes.
Remarks: Test results on an analogous product

Respiratory or skin sensitisation

Skin sensitisation
Not classified based on available information.

Respiratory sensitisation
Not classified based on available information.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Not classified based on available information.

STOT - single exposure
Not classified based on available information.

STOT - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

Further information

Product:
Remarks: No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects

Product:
Additional ecological info- : The product is insoluble in water. Therefore, ecological tests
13. DISPOSAL CONSIDERATIONS

**Disposal methods**

**Waste from residues**: Dispose of in accordance with local regulations. Product residues and uncleaned empty containers should be packaged, sealed, labelled, and disposed of or recycled according to relevant national and local regulations.

Examine possibilities for re-utilisation. Product residues and uncleaned empty containers should be packaged, sealed, labelled, and disposed of or recycled according to relevant national and local regulations. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used.

**Contaminated packaging**: Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Contaminated packaging**

Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

14. TRANSPORT INFORMATION

**National Regulations**

China-DG GB 6944/12668
Not regulated as a dangerous good

Transportation Notes:
- Appropriate & sufficient fire-fighting facilities and spill emergency handling apparatus should be equipped with the transport vehicles.
In case of products with explosive, flammable, self-reactive, pyrophoric, self-heating and oxidizing properties:
- Tank cars used in transport should be equipped with a grounding chain; a porous separator plate may be provided in the tank car to reduce static electricity shocks.
- The exhaust pipes of vehicles used for shipping this product must be equipped with fire retardant devices. The use of mechanical equipment or tools prone to sparking is prohibited.
- Protect against exposure to sun, rain and high temperatures during transit; in summer, transport should ideally be in the morning or evening.
- Keep away from fire, heat and high temperature zones during stopovers.
- When transporting over public roads, select routes compliant with regulations and do not stop over in residential or densely populated areas.

**International Regulations**
IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not applicable for product as supplied.

**Hazard statements**
- Not dangerous cargo.
- Irritating to the eyes.
- Avoid temperatures below -20 °C.
- Keep separated from foodstuffs.

**15. REGULATORY INFORMATION**

**National regulatory information**

Further information:
1. Regulations of the Safety Administration of Dangerous Chemicals
2. Rules for classification and labeling of chemicals (30000.2~29)
3. Lists of dangerous goods (GB12268)
4. Safety Data Sheet for Chemical Products -Content and Order of Sections (GB/T16483)
5. Classification and Code of Dangerous Goods (GB6944)
6. List of hazardous waste
7. Catalogue of hazardous chemicals
8. Occupational exposure limits for hazardous agents in the workplace Part 1: Chemical hazardous agents (GBZ 2.1)

**16. OTHER INFORMATION**

**Full text of other abbreviations**

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific...
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