

Material Safety Data Sheet

1 · Identification Of The Substance / Preparation And Company

Product Information : Coagulant aids agent EAC-50

Another name : -

Recommend usage : Coagulant for textile wastewater

Information On Producer/ Supplier Name 、 Addresses 、 Phone :

GRACESS INTERNATIONAL CO., LTD.

29F-3, No. 86, Sec. 1, Beixin Rd., Xindian Dist., New Taipei City 231003, Taiwan (R.O.C.)

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2. Hazards Identification data

According to UN GHS criteria:

Aquatic Acute 3

Aquatic Chronic 3

Hazard Statement:

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P273 Avoid release to the environment.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards : —

3. Identification data

Component	CAS Number	%
Polyethyleneimine	114133-44-7	11.5-22.5

4. First aid measure

Description of first aid measures :

If inhaled: Keep patient calm, remove to fresh air, seek medical attention.

On skin contact: Wash thoroughly with soap and water

On contact with eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion: Rinse mouth and then drink 200-300 ml of water.

Most important symptoms and effects, both acute and delayed :

Symptoms: (Further) symptoms and / or effects are not known so far

Hazards: No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed¹⁾ :

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire fighting measure

Extinguishing media : Suitable extinguishing media: water spray, dry powder, foam, carbon dioxide

Special hazards arising from the substance or mixture : No particular hazards known

Advice for fire-fighters : Special protective equipment: Wear a self-contained breathing apparatus.

Further information: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations

6. Accidental release measure

Personal Precautions Use personal protective equipment as required. Evacuate personnel to safe areas.

Avoid

contact with skin, eyes or clothing.

Environmental Precautions Should not be released into the environment. Do not allow material to contaminate ground water system.

Methods for Containment and Clean Up Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

7. Handling and storage

Handling :Do not get in eyes, on skin, or on clothing. Wear personal protective equipment/face protection. Use only under a chemical fume hood. Do not breathe dust. Do not ingest. If swallowed then seek immediate medical assistance.

Storage Keep container tightly closed in a dry and well-ventilated place. Corrosives area. Protect from moisture. Store under an inert atmosphere.

8. Exposure controls/personal protection

Engineering Measures : Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Controls parameter:

PC-TWA/PC-STEL/PC-MAC: -

Personal Protection :

Respiratory System Protection : If heating is necessary, please wear mask.

Eye Protection : Wear chemical safety goggles. And provide eye washing facility.

Skin and body protection : wear appropriate safety apparatus.

Hand Protection : Wear coated protective gloves.

Hygiene Procedure : Use ventilation facility. Avoid contacting eyes and swallowing. Washing after contact with the chemical, especially before drinking or smoking.

9. Physical and chemical properties

- | | | | |
|-------------------------------|---------------------------------------|---------------------------------|----------|
| • Appearance : | transparent or slightly turbid liquid | ⑩ Solid content (%) : | |
| • Color : | Yellow | ⑩ Ionicity: | |
| • Odor : | - | ⑩ PH value : | 8.0-10.0 |
| • Flash Point(Closed cup): | - | ⑩ Boiling Point/Boiling Range : | |
| • Flammability(Solid, Gas) : | - | ⑩ Explosion limits : | |
| • Decomposition temperature : | - | ⑩ Vapor density : | |

- Autoignition temperature : -
- Vapor pressure (25°C) : -
- Proportion : -
- ⑩ Solubility :
- ⑩ Chemical reactivity :
- ⑩ Evaporation Rate : -

10. Stability and activity

Hazardous Reactions : None under normal processing.

Possibility of hazardous reactions under special conditions: Non-hazardous polymerization.

Conditions to Avoid : -

Incompatible Materials : -

Hazardous Decomposition Products : -

11. Toxicological information

Signs and symptoms of overexposure : -

Acute toxicology : -

Chronic toxicity/ long-term toxicity : -

Other health hazard information : -

12. Ecological information

Aquatic and Terrestrial Ecotoxicity: -

Bioaccumulation: -

Fluidity in soil: -

Persistence and degradability: -

Additional environmental information: -

13. Disposal considerations

Waste Disposal Methods : Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport Information

UN-number: -

International transport regulate: Not listed in "UN Recommendations on the Transport of Dangerous Goods"

Transport classification: -

Package classification: -

Marine pollutant (yes or no): No

Transport specific safety : Prevent packaging damage, corrosion, leakage, wetting. Prevent falling, drop, damage during shipment.

15. Regulation

Applicable laws: Regulations for the Occupational Safety and Health Equipments and Measures

16. Other

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LIMITED WARRANTY INFORMATION – PLEASE READ BEFORE ANY APPLICATION:

- The data presented in this brochure are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt.
- We reserve the right to alter product constants within the scope of technical progress or new developments.
- The recommendations made in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used.
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- We disclaim any responsibility for any dispute regarding product quality between agent and end user.
- Our sole warranty is that our products will meet the sales specifications in effect at the time of shipment.