

物質安全資料表(MSDS)

1. Identification of Substance /Preparation and Company

- 1.1 Product Name : Flocculant for oily wastewater EAC-30ST
- 1.2 Another Name : -
- 1.3 Recommend Usage : Wastewater treatment
- 1.4 Information of Manufacturer or Supplier :
GRACESS INTERNATIONAL CO., LTD. /
29F-3, No. 86, Sec. 1, Beixin Rd., Xindian Dist., New Taipei City 231003, Taiwan /+886-2-2673-3998
- 1.5 Emergency Phone/Fax : +886-2-2673-3998/+886-2-2673-3995

2.Hazard Identification Data

- 2.1 Hazard Classification : -
- 2.2 Route of Entry: Breathing, accidental ingestion, eye or skin contact.
Health hazards: Irritating effects.
Environmental Hazard: Hazardous to the environment and can cause contamination of water bodies.
Explosion Hazard: Irritating odor (within 10cm).
- 2.3 Environmental effects : less damage to the environment

3. Composition/ Information of Ingredients

Mixture : -		
Chemical name	CAS Number	%
Special polymer complexes	/	/

4. First-Aid Measures

- 4.1 Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin contact : Remove contaminated clothing and rinse with plenty of running water.
Inhalation : Move to fresh air; keep the airway open; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration immediately; get medical help.
Ingestion : Drink plenty of water or saline to make the patient vomit and receive medical treatment immediately.
- 4.2 Most important symptoms and effects : -
- 4.3 Protection of first-aid person : -
- 4.4 Suggestion to doctors : -

5. Fire-fighting measures

- 5.1 Hazardous Characteristics: Prolonged exposure to air produces a rotten egg odor.
- 5.2 Applicable fire-fighting methods : This product will not normally catch fire and is not flammable.

6. Accidental release measures

- 6.1 Isolate leaking contaminated area and restrict access. Emergency personnel are advised to wear dust masks and general work clothes.
Do not come into direct contact with the spill.
Small amount of leakage: Collect carefully and transfer to a safe place in a bag.
Large amount of leakage: Collect and recycle or transport to a waste disposal site for disposal.

7. Handling and storage

- 7.1 Handling: Operators must be specially trained and strictly follow the operating procedures. Operators are recommended to wear self-absorbing filtering dust masks, chemical safety glasses, rubberized alkaline-resistant clothing and rubberized alkaline-resistant gloves. Keep away from fire and heat sources. Smoking is strictly prohibited in the workplace. Avoid contact with oxidizing agents. Equip with appropriate types and quantities of fire-fighting equipment and emergency equipment for leakage. Empty containers may retain hazardous materials.
- 7.2 Storage: Store in a cool, dry, well-ventilated space. Keep away from fire and heat sources. Provent from direct sunlight. Packing must be sealed, do not expose to moisture. Store separately from oxidizers and avoid mixing. Equipped with appropriate types and quantity of fire-fighting equipment. The storage area should be equipped with suitable materials to contain leaks.

8. Exposure controls/personal protection

- 8.1 General protective and hygienic measures : -

Eye protection: Safety goggles

Protection of body: Please wear protective clothes

Protection of hands: Please wear alkali and acid resistance safety rubber gloves.

Other precautions: Smoking, eating and drinking are prohibited in the workplace; wash hands before meals.

Wash hands before meals. Shower and change clothes after work. Maintain good hygiene habits.

- 8.2 Controls parameter :

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

9. Physical and chemical properties

- | | | | |
|--------------------------------|---------------------|----------------------------------|---------------------------------|
| • Appearance : | Liquid | • Solid content (%) : | - |
| • Color : | Reddish-brown | • Ionicity: | - |
| • Odor : | Odorless | • PH value : | ≤2.0~3.0(1%aq) |
| • Flash Point (Closed cup) : | >100°C (closed cup) | • Boiling Point/Boiling Range : | 101°C |
| • Flammability(Solid, Gas) : | - | • Explosion limits : | - |
| • Decomposition temperature : | - | • Density : | ≥ 1.40 (20°C) g/cm ³ |
| • Autoignition temperature : | - | • Solubility : | - |
| • Vapor pressure (25°C): | - | • Chemical reactivity : | - |
| • Proportion : | - | • Evaporation Rate : | - |
| • Melting point: | -3°C | • Insoluble matter mass fraction | ≤0.2 |

10. Stability and Reactivity

10.1 Reactions : Stable.

10.2 Prohibited substances: strong oxidizer, water, humid air

11. Toxicological Information

11.1 Acute toxicity : LD50 : 1500 mg/kg(rat, via oral) LC50 : No information.

11.2 Potential route of exposure/potential health effects

Skin:

Eye:

Inhalation:

Ingestion:

Carcinogenic effects:

Mutagenic effects:

Reproductive toxicity:

Sensitization:

Target organs:

12. Ecological Information

- 12.1 Ecotoxicity : No data available
 12.2 Mobility:
 12.3 Biodegradation:
 12.4 Bioaccumulation:

13. Disposal Considerations

- 13.1 Product disposal: It is proposed to dispose of them collectively as industrial waste..

14. Transport Information

- 14.1 UN-number: Non dangerous goods. Not restricted for transport.
 14.2 Transport hazard class(es): Not restricted for transport.
 14.3 Marine pollutant: No information.
 14.4 Special transport way and precautions: No information.
 14.5 Transport specific safety : Packaging should be complete and loaded securely during transportation.
 During transportation, it should be ensured that the container will not leak, collapse, fall or be damaged. Strictly prohibit mixing with oxidizers and edible chemicals. Transportation should be protected from exposure to sun, rain and high temperature. Transportation vehicles should be equipped with corresponding types and quantities of fire-fighting equipment and emergency equipment for leakage. When stopping in the middle of the road, it should be far away from fire and heat sources. Vehicles should be thoroughly cleaned after transportation. Highway transportation should follow the prescribed route.

15. Regulatory Information

Suitable regulations: The Regulations on the Safe Management of Chemical Dangerous Goods (issued by the State Council on February 17, 1987), the Implementation Regulations of the Regulations on the Safe Management of Chemical Dangerous Goods (No. 677 of the CLC [1992]), and the Regulations on the Safe Use of Chemicals in Workplaces (No. 423 of the Ministry of Labor of the People's Republic of China (1996)), all of which address the safe use of chemical hazardous goods, their production, storage, transportation, loading and unloading, etc., have corresponding provisions.

16. Other Information

	GRACESS INTERNATIONAL CO., LTD.
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Date	01/Nov/2023

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.
- The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights or patents and, if necessary, clarifying the position.
- Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.
- 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.