

物質安全資料表(MSDS)

1. Identification of Substance /Preparation and Company

- 1.1 Product Name : EAC-NN Multipurpose wastewater treatment agent
- 1.2 Another Name :
- 1.3 Recommend Usage : Coagulant for 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 : This product is not classified as a statutory hazardous substance.

2.2 Label :

Symbol :



Signal word: Danger

Hazard Statement:H318 Causes serious eye damage

Precautionary Statements (Prevention):

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements (Disposal):

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P311 Call a POISON CENTER or doctor/physician.

2.3 Other Hazards : The mixture does not contain any vPvB substances or is not included in the RCACH Regulation (EC) 1907/2006 (<0.1%). The mixture does not contain any PBT substances. If dispersed, it may form an explosive dust-air mixture.

3. Composition/ Information of Ingredients

Mixture : -		
Chemical name	CAS Number	%
Nano clays compounds	Listed	100%

4. First Aid Measure

4.1 First aid measure: Contaminated clothing and shoes should be removed as soon as practical

Inhalation: move to fresh air and get medical attention if symptom is continuous.

Skin: flush with water.

Eyes: flush eyes with plenty of water and get medical attention.

Ingestion: get medical attention.

5. Fire fighting measure

- 5.1 Suitable extinguishing media : Water jet spray/foam/CO2/dry fire extinguisher
- 5.2 Unsuitable Extinguishing Media : high volume water
- 5.3 Combustion Products : Sulfur oxide, toxic gas, explosive dust, air mixture
- 5.4 Protective Equipment and Precautions for Firefighters : Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

6. Accidental release measure

- 6.1 Personal precaution: Wear self-contained breathing apparatus with rubber gloves. Do not contact the leakage. Cut off all possible leakage sources and clean all ignitions.
- 6.2 Environmental precautions: collect the leakage and avoid contaminating the environment. Prevent the leakage from permeating into sewer and groundwater.
- 6.3 Methods and Material for Containment and Cleaning up : Eliminate all sources of ignition. Do not touch or walk-through spilled material. Stop leak if possible without personal risk. Do not get water directly on material. Eliminate the generation of static electricity. Use natural bristle broom or brush to collect material into suitable container for disposal. Move containers away from spill to a safe area. Do not form dust cloud.
- 6.4 Refer to other parts : For personal protection please refer to part 8. For handling instructions, please refer to part 13

7. Handling and storage

- 7.1 Handling: Operators must be specially trained to strictly follow the operating procedures and advised to wear self-priming filter respirators (half masks), chemical safety glasses and rubber acid gloves. Wash thoroughly after handling. Away from the fires, heat, smoking is prohibited in the workplace. Note the operating place ventilation. Avoid prolonged or repeated inhalation of noxious vapor, aerosol or gas, avoid contact with eyes and skin. To prevent damage to the packaging containers and container port loose disclosure. Avoid overuse and misuse. Equipped with the corresponding variety, quantity of fire-fighting equipment and leakage emergency treatment equipment.
- 7.2 Storage: Store in a cool, ventilated warehouse. Keep away from fire and heat. Protect from direct sunlight. Keep the container sealed. It should be stored separately from reducing agents, alcohols, etc.

8. Exposure controls/personal protection

- 8.1 Engineering controls: -
- 8.2 Controls parameter:
PC-TWA/PC-STEL/PC-MAC: -/ -/ -/-
- 8.3 Personal protective equipment:
Respirator: wear self-contained dust masks
Hand protection: safety glove
Eye protection: safety goggle
Skin and body protection: long sleeve clothes and safety glove.

9. Physical and chemical properties

- Appearance : Powder
- ⑩ Solid content (%) : -

• Color :	White	⑩ Ionicity:	-
• Odor :		⑩ PH value :	7±1 (10 g/l · 20°C)
• Flash Point (Closed cup) :	>100°C (Closed cup)	⑩ Boiling Point/Boiling Range :	-
• Flammability(Solid, Gas) :	Non-combustible	⑩ Explosion limits :	-
• Decomposition temperature :		⑩ Density :	~900 kg / m3 (20°C)
• Autoignition temperature :	-	⑩ Solubility :	Soluble in water
• Vapor pressure (25°C) :		⑩ Chemical reactivity :	-
• Proportion :	-	⑩ Evaporation Rate :	-

10. Stability and Reactivity

10.1 Reactivity: pay attention to the danger of explosive dust

10.2 Stability : Stable under normal usage conditions.

10.3 Possibility of hazardous reactions : Hazardous polymerization will not occur.

10.4 Conditions to avoid: -

10.5 Hazardous Decomposition Products : when used as directed will not decompose

10.6 Incompatible materials: avoid contact with strong oxidants

11. Toxicological Information

11.1 Signs and symptoms of overexposure: -

11.2 Acute toxicity: none

11.3 Chronic toxicity/ long-term toxicity: -

12. Ecological Information

12.1 Ecological toxicity: none

12.2 Persistence and degradability: none

12.3 Bioaccumulation: none

12.4 Fluidity in soil: none

12.5 Other adverse effects : none

13. Disposal Considerations

13.1 Product Disposal: Dispose of in accordance with local regulations.

Packaging Disposal: Dispose of in accordance with local regulations.

14. Transport Information

14.1 UN-number: Not a hazardous substance. IATA Not restricted.

14.2 UN shipping name: No data.

14.3 DG hazard class: No classified.

14.4 Marine pollutant: No classified.

14.5 Special transport way and precaution: Not restricted.

15. Regulatory Information

Suitable regulations: Not restricted.

16. Other Information

	GRACESS INTERNATIONAL CO., LTD.
Form Maker	29F-3, No. 86, Sec. 1, Beixin Rd., Xindian Dist., New Taipei City 231003, Taiwan /+886-2-2673-3998
Date	06/July/2021

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.