

物質安全資料表(MSDS)

1. Identification of Substance /Preparation and Company

- 1.1 Product Name : Terpolymer Softener TSO-3210
 1.2 Another Name : Softener
 1.3 Recommend Usage : Textile auxiliaries
 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 /(02)2673-3998
 1.5 Emergency Phone/Fax : (02)26973-3998/(02)2673-3995

2.Hazard Identification Data

- 2.1 Hazard Classification : -
 2.2 Label: -
 Symbol: -
 Caution: -
 Hazard alarm:-
 2.3 Other Hazards : -

3. Composition/ Information of Ingredients

Mixture : -		
Chemical name	CAS Number	%
Siloxanes and Silicones, 3-((2-aminoethyl)amino)propyl Me, di-Me	71750-79-3	29~31
water	7732-18-5	69~71

4. First Aid Measure

- 4.1 First aid measure:
 Inhalation: move to fresh air and get medical attention. Skin: Flush with water and soap
 Eyes: Flush eyes with plenty of water for 15 minutes and get medical attention.
 Ingestion: drink water and get medical attention.
 4.2 Most important symptoms and effects : -
 4.3 Protection of first-aid person : -
 4.4 Suggestion to doctors : Treat symptomatically.

5. Fire fighting measure

- 5.1 Suitable extinguishing media : -
 5.2 Special hazards from fire fight : -
 5.3 Special fire measure : -
 5.4 Special fire measure of fire fighter : -

6. Accidental release measure

- 6.1 Personal precaution : Gloves.
 6.2 Environmental protection : Forbidden into river and drain.

6.3 Cleaning method : Collect the release with absorbent such as soil and sand into suitable containers

7. Handling and storage

7.1 Handling : Wash hands after work. Do not contact skin or clothes.

7.2 Storage : The product should be stored at cool and dry place. Please avoid the direct sunlight.

8. Exposure controls/personal protection

8.1 Engineering controls : -

8.2 Controls parameter :

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

8.3 Personal protective equipment :

Respiratory Protection : -

Hand Protection : Chemical protective gloves

Eye/Face Protection : Safety goggle

Skin and Body Protection : Protective clothing

9. Physical and chemical properties

• Appearance :	liquid	• Solid content (%) :	30
• Color :	Transparent to translucent	• Ionic :	Weak cation
• Odor :	Weak ammonia smell	• PH value :	5.5~7.5
• Flash Point (Closed cup) :	>200(°C)	• Boiling Point/Boiling Range :	-
• Flammability(Solid, Gas) :	-	• Explosion limits :	-
• Relative density (water) :	0.972 (25°C)	• Vapor density :	-
• Autoignition temperature :	-	• Solubility :	soluble in water
• Vapor pressure (25°C) :	2.3KPa (20 °C)	• Chemical reactivity :	-
• Proportion :	-	• Evaporation Rate :	-

10. Stability and Reactivity

10.1 Stability : Stable

10.2 Possibility of hazardous reactions : -

10.3 Conditions to avoid : -

10.4 Materials to avoid : Strong oxide.

10.5 Hazardous polymerization: -

11. Toxicological Information

11.1 Acute toxicology: -

11.2 Local effect:

Eyes: irritant

Skin: irritant

11.3 Symptoms: -

11.4 Chronic toxicity/ long-term toxicity: -

11.5 Special effect: -

12. Ecological Information

12.1 Ecological toxicity : -

12.2 Environmental influence: -

12.3 Accumulation: -

12.4 Decomposition:-

13. Disposal Considerations

13.1 Disposal method: Sanitary landfill or incinerated.

14. Transport Information

14.1 UN No. : -

14.2 Level : -

14.3 UN proper shipping name : -

14.4 Packing group : -

14.5 Transport classification : -

14.6 Marine Pollutant (Yes / No) : -

15. Regulatory Information

Suitable regulations:

Occupational Safety and sanitation rules.

Labeling of hazardous chemicals and Liberal rule.

16. Other Information

Form Maker	GRACESS INTERNATIONAL CO., LTD. 29F-3, No. 86, Sec. 1, Beixin Rd., Xindian Dist., New Taipei City 231003, Taiwan /((02)2673-3998
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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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- Our sole warranty is that our products will meet the sales specifications in effect at the time of shipment.