

## 物質安全資料表(MSDS)

### 1. Identification of Substance / Preparation And Company

- 1.1 Product Information: Deepening and brightening agent TT-570
- 1.2 Another name: --
- 1.3 Recommend usage: Textile softener
- 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: (02)26973-3998/(02)2673-3995

### 2. Hazards Identification data

- 2.1 Hazards classification: -
- 2.2 Label: -  
Symbol: -  
Caution: -  
Hazard Warning: Avoid contact with skin and eyes, avoid breathing steam.  
Effects and symptoms of overexposure: Under normal use, single exposure will not cause harmful effects.
- 2.3 Other hazard: -

### 3. Composition / information on ingredients

Mixture:

English name	TT-570	
Materials name	CAS	%
Modified organosilicon polymer	237753-63-8	20

### 4. First aid measure

- 4.1 First aid methods:  
Inhalant: Move to ventilated place and seek medical attention if symptoms persist ◦  
Skin: Wipe off the skin and wash thoroughly with soap and water or anhydrous lotion. Get medical attention if irritation or other symptoms occur and persist.  
Eye: Immediately rinse with water for 15 minutes and seek medical attention ◦  
Ingestion: Seek medical attention.
- 4.2 The most harmful effect: -
- 4.3 Protection of first-aid person: -
- 4.4 Suggestion to doctors: Treat symptomatically.

### 5. Fire fighting measure

- 5.1 Suitable extinguishing media: 1. Chemical dry powder 2. Foam 3. Water spray 4. CO2
- 5.2 Special hazards from fire fight: —
- 5.3 Specific extinguishing methods: When fighting fires involving chemicals, it should be wear self-contained breathing apparatus and protective clothing. Based on local emergency plans, decide whether to evacuate or isolate the area.  
Use water to cool containers affected by the fire.

Protection for fire fighters: —

## 6. Accidental release measure

- 6.1 Personal precaution: Avoid contact with skin and eyes, do not take orally.
- 6.2 Environmental precautions: Use sand, soil or other suitable inhibitors to prevent spreading or entering sewers, drains or rivers.
- 6.3 Cleaning method: For a small amount of spilled pollutants, add an absorbent (select soil if there is no other suitable substance), collect the pollutants and place them in a container for processing. For large leaks, build a cofferdam to prevent outflow and transfer it to a closed container for disposal.

## 7. Handling and storage

- 7.1 Handling:
1. Use ventilation equipment, avoid contact with eyes and do not take orally.
  2. Use good industrial hygiene practices. Wash after handling, especially before eating, drinking or smoking.
- 7.2 Storage: Take care to keep away from oxidizing materials.

## 8. Exposure controls/personal protection

- 8.1 Engineering controls: Set up general ventilation equipment.
- 8.2 Controls parameter:  
PC-TWA/PC-STEL/PC-MAC: -/ -/ -/  
Biological: ---
- 8.3 Personal protective equipment:  
Inhale: --  
Hand: wear safety glove.  
Eye: wear safety goggle.  
Skin and body protection: Completely wash hand after food and work.
- 8.4 Health measure: Wash after handling, especially before food and smoking.

## 9. Physical and chemical properties

• Appearance:	Clean or slightly turbid liquid	• Solid content (%)	20±1
• Color	light yellow-yellow	• PH value	6.0±1.0
• Ionic	weak cationic	• Viscosity 25°C	—
• Odour	Slight	• Melting point:	—
• Odour Threshold	—	• Boiling range:	—
• Flammability (solid, gas)	—	• Explosion limit:	—
• Decomposition temperature	—	• Vapor density:	—
• Ignition temperature	—	• Solubility:	dispersed in water
• Vapor pressure	—	• Chemical reactivity:	—
• Specific density	±0.96	• Volatilization rate:	—
• Partition coefficient (Octanol /water) ( log Kow )	-	• Flash point (°C)	—

## 10. Stability and activity

10.1 Stability: stable

10.2 Hazardous reactions under special conditions: none

10.3 Avoidance: ---

10.4 Avoidant materials: Oxidant

10.5 Hazard decomposition: Carbon dioxide and less of incompletely burned carbides.

## 11. Toxicological information

11.1 Exposure routes: ---

11.2 Symptom:

Eye: slight irritation °

Skin: no significant impact in short exposure. Inhale: slight irritation for respiratory system

Ingestion: it has only a slight hazard under normal use.

11.3 Acute toxicity: LD50(rat swallow)  $\geq 5000$ mg/kg

11.4 Chronic or long-term toxicity: --

## 12. Ecological information

12.1 Environmental impact and its distribution: Silane is separated from the sewage sludge by sedimentation or adhesion.

Degradation of Siloxane in soil °

12.2 Bioaccumulation: ---

12.3 Environmental impact: No harmful effects on aquatic organisms.

12.4 Note: ---

## 13. Disposal considerations

Follow the local government and local regulations.

## 14. Transport Information

14.1 UN-number: -

14.2 International transport classification: -

14.3 Classification of transport hazards: -

14.4 Package classification: -

14.5 Marine pollutant (yes or no): -

14.3 Special transport way and precaution: -

## 15. Regulation

All ingredients in this product are registered in the China Existing Chemical Substances List (IECSC).

Regulations on the Safety Management of Dangerous Chemicals(Revised in 2011, Order No. 591 of the State Council) )

GB / T17519-2013, Preparation of Chemical Safety Technical Data Sheet

GB13690-2009, General Principles of Chemical Classification and Hazard Communication GB13690-2009, General Principles of Chemical Classification and Hazard Communication Measures for Environmental Management of New Chemical

Substances

(Order of the Ministry of Environmental Protection No. 7)

Provisions on the preparation of chemical safety labels (GB 15258-2009)

General rules for chemical classification and hazard communication (GB13690-2009)

**16. Others Information**

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- 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.
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- 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.