

物質安全資料表(MSDS)

1. Identification of Substance /Preparation and Company

- 1.1 Product Name : Reactive turquoise blue dye fixing agent DR-660TB
- 1.2 Another Name : -
- 1.3 Recommend Usage : Textile color fixing agent
- 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 Label:
Symbol: - Hazard alarm: -
Hazard warning message: - Health hazard:
Inhalation: Inhalation of aerial fog may cause upper respiratory tract infections.
Skin contact: Not irritating. However, prolonged contact may cause irritation.
Eyes contact: Not irritating. However, prolonged contact may cause irritation.
Ingestion: Low oral toxicity may cause nausea and vomiting.
Physical and chemical hazards: flammable
Hazard prevention measures: -
- 2.3 Other Hazards : -

3. Composition/ Information of Ingredients

Mixture : -		
Chemical name	CAS Number	%
POLYMER OF DIALLYLDIMETHYLAMMONIUM CHLORIDE	26062-79-3	20
water	7732-18-5	80

4. First Aid Measure

- 4.1 First aid measure:
- 4.2 Inhalation: Move to a well-ventilated area and give artificial respiration if breathing stops. If breathing is difficult, give oxygen and seek medical attention immediately.
- 4.3 Skin: After removing contaminated clothing and shoes, immediately wash your skin with plenty of water and soap. Seek medical attention if irritation occurs.
- 4.4 Eyes: Immediately flush your eyes with clean water for at least 15 minutes, and then lift the upper and lower eyelids. If possible, check and remove the contact lenses and seek medical attention immediately.
- 4.5 Ingestion: If you eat by mistake, do not induce vomiting. If the patient is awake, drink 2-4 cups of water or milk after gargle with water. If the patient is unconscious, do not take any items in the mouth and seek medical

5. Fire fighting measure

- 5.1 Suitable extinguishing media: chemical dry powder, foam, water spray and CO2
- 5.2 Special hazards from fire fight: -

- 5.3 Special fire measure: Evacuate and isolate people in time. Extinguish by trained personnel. Move the container from the fire to the open space as much as possible. Should be at the upwind when extinguishing fire to avoid contact with harmful vapors and toxic decomposition products. Take measures to prevent the substance and extinguishing effluent from entering the streams or water system.
- 5.4 Special protective equipment for firefighters: Firefighters must wear full-pressure self-contained breathing apparatus full-service firefighting suits.
- 5.5 Hazard decomposition substance : -

6. Accidental release measure

- 6.1 Personal precaution:
Wear goggles and gloves to avoid contact with eyes, skin and clothing.
- 6.2 Environmental precautions: Do not flush into surface water, clean water ditches or other surface water bodies.
- 6.3 Cleaning method: The waste product is collected in a suitable labeled container and disposed of as chemical waste.

7. Handling and storage

- 7.1 Handling: Operators must be specially trained and certified to work, strictly abide by the technical procedures and post operation methods, and prohibit open flames. Avoid inhalation of aerial fog. Avoid prolonged contact with skin and eyes.
- 7.2 Storage: Store at room temperature, keep the package sealed, away from heat and direct sunlight.

8. Exposure controls/personal protection

- 8.1 Engineering controls : Use a vented exhaust system to keep the concentration of chemicals in the air below the control parameters.
- 8.2 Controls parameter :
PC-TWA/PC-STEL/PC-MAC: -/ -/ -/-
- 8.3 Personal protective equipment :
Respiratory protection: Wear suitable breathing equipment in case of poor ventilation.
Hand protection: Wear solvent resistant gloves.
Eye protection: Safety goggles with side screen.
Skin and body protection: Wear long sleeve clothes.
- 8.4 Hygiene measures : Operate in accordance with effective industrial hygiene and safety procedures.

9. Physical and chemical properties

- | | | | |
|--------------------------------|---------------------------|---------------------------------|------------------|
| • Appearance : | Transparent liquid | • Solid content (%) : | 20% |
| • Color : | Colorless to light yellow | • Ionicity : | Cation |
| • Odor : | - | • PH value : | 5.0-7.0 |
| • Flash Point (Closed cup) : | 93(closed cup) | • Boiling Point/Boiling Range : | >100°C |
| • Flammability(Solid, Gas) : | - | • Explosion limits : | - |
| • Decomposition temperature : | - | • Vapor density : | - |
| • Autoignition temperature : | -- | • Solubility : | Soluble in water |
| • Vapor pressure (25°C) : | | • Chemical reactivity : | - |
| • Proportion : | 1.04 | • Evaporation Rate : | - |

10. Stability and Reactivity

- 10.1 Stability: Specified under storage and operating conditions (in a closed container), stable.
- 10.2 Possibility of hazardous reactions under special conditions: Non-hazardous polymerization.

- 10.3 Avoidance: Heat source, fire source.
- 10.4 Avoidant materials: Strong reducing agent, strong alkali, strong oxidant.
- 10.5 Hazard decomposition: Carbon compound, nitrogen compound.

11. Toxicological Information

- 11.1 Acute oral toxicity: No relevant literature reports.
- 11.2 Acute inhalation toxicity: No relevant literature reports.
- 11.3 Carcinogenicity: No relevant literature reports.
- 11.4 Chronic or long-term toxicity: No relevant literature reports.

12. Ecological Information

- 12.1 Ecological toxicity: No information
- 12.2 Non-biodegradability: No information
- 12.3 Biodegradability: No information
- 12.4 Other adverse effects: No information
- 12.5 Remarks: No information
- 12.6 Other adverse effects:-

13. Disposal Considerations

- 13.1 Waste generation should be avoided and minimized. Refer to national and local regulations before disposal to ensure proper waste classification. The packaging material may contain residues of the substance and should be treated like the waste of the substance.
- 13.2 Hazard disposal: No information.

14. Transport Information

- 14.1 UN-number: No information
- 14.2 UN shipping name: No information.
- 14.3 DG hazard class: No information.
- 14.4 Marine pollutant: No information.
- 14.5 Special transport way and precaution: No information.

15. Regulatory Information

- 15.1 China regulations: Writing regulations of chemical safety data sheets (GB16483-2000); safe use chemical material at work place (1996 labor 423)
- 15.2 International/European regulations: Chemical Safety Data Sheet: Content and Project Order(ISO11014-1 : 1994)
United Nations Recommendation on the Transport of Dangerous Goods (TDG) (15th edition).

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
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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.
- 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.