

物質安全資料表(MSDS)

1. Identification of Substance /Preparation and Company

- 1.1 Product Name : Resin deepening and brightening agent TT-590
- 1.2 Another Name : -
- 1.3 Recommend Usage : Fabric deepening and brightening finishing
- 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: ---
Caution:
Avoid getting into the eyes. Eye contact can cause slight pain, redness and tearing. Swallowing can cause gastrointestinal pain, nausea, vomiting, diarrhea
Chronic effect: Unpredictable, but exacerbated by contact conditions have caused eye, skin and respiratory diseases.
- 2.3 Other Hazards : -

3. Composition/ Information of Ingredients

Mixture:

English name	Resin deepening and brightening agent TT-590	
Materials name	CAS Number	%
Aquanay-plus Polyacrylate	---	10

4. First Aid Measure

- 4.1 Recommendations: Contaminated clothing must be removed, and if it's continued discomfort, please consult a medicine.
First aid methods:
Inhalant: move to ventilated place and seek medical attention
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 few minutes; If wearing the glasses, take off it and get 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: Use all-purpose foam to extinguish large fires. Small fires can be extinguished with dry ice (carbon dioxide) or dry powder.
- 5.2 Non-suitable extinguishing media: complete vapor.
- 5.3 Specific extinguishing methods: wear self-contained breathing apparatus and protective clothing.
- 5.4 Protection for fire fighters: burning debris and contaminated fire fighting water should be discarded in accordance with formal disposal regulations °

6. Accidental release measure

- 6.1 Personal precaution: The people should far away from the scene and on the upwind side. Gradually leakage and spillage are dangerous. The protective measures mentioned are in Sections 7 and 8.
- 6.2 Environmental precautions: Absorb and collect contaminated water / firefighting water (such as sand, diatomaceous earth, etc.) with adhesive liquid substances, and do not allow it to drain directly into the sewer / surface water system / groundwater system.
- 6.3 Cleaning method: Mechanical cleaning or collection.

7. Handling and storage

- 7.1 Handling : Fire and explosion protection: Keep away from fire-no smoking.
- 7.2 Storage :

Keep proper ventilation during use and keep away from flammable sources such as high heat and sparks.
Usage: Following the operating manual.
Precautions for storage: Use immediately after opening the bag to avoid long-term exposure to high temperature and air.
Recommended storage temperature: 5-30°C.
Storage stability: one years

8. Exposure controls/personal protection

- 8.1 Engineering controls:

Occupational exposure control: Strictly follow customary precautions when handling chemicals.
- 8.2 Controls parameter:

PC-TWA/PC-STEL/PC-MAC: -/ -/ -/-
- 8.3 Personal protective equipment:

Inhale: Formation of vapor / smoke respiratory protection
Hand: Anti-penetration and chemical product gloves, gloves without detection are not recommended. Choose gloves based on penetration number, diffusion rate and degradation. Nitrile rubber gloves can be selected. Due to the wide range of gloves, the manufacturer's instructions must be followed during use.Eye: 護目鏡 °
Skin and body protection: Protective work clothes.
- 8.4 Health measure: ---

9. Physical and chemical properties

• Appearance	smooth liquid	• Solid content (%)	10±1
• Color	milky	• PH value (1%)	5-7
• Odour	---	• 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	---	• Volatilization rate	—
• Partition coefficient (Octanol/water) (log Kow)	---	• Flash point (°C)	>100°C closed-cup

10. Stability and Reactivity

10.1 Stability: stable under standard using.

10.2 Hazardous reactions under special conditions: No hazardous reactions.

10.3 Avoidance:---

10.4 Avoidant materials: ---

10.5 Hazard decomposition: ---

11. Toxicological Information

11.1 Exposure routes: Inhalation, skin contact and ingestion.

11.2 Corrosive and irritating:-

Acute toxicity: LD-50>5000mg/kg

Eye: ---

Skin: ---

Inhale: ---

Ingestion: ---

Chronic or long-term toxicity:

Skin: ---

Inhale: ---

Ingestion: ---

12. Ecological Information

Ecotoxic effect: Tested by OECD 302 B and analyzed by DOC reduction method

Polar influence: ---

Chronic effect: ---

Impact on wastewater treatment plants : Easy to remove more than 90% from water, and can be through non-biological formula such as mechanical separation method.

Biological impact: Toxicity to fish, LC50> 100mg / L.

Biodegradability: >90%

Other ecological information:

COD: 800mg/g.

BOD5: 10mg/g.

Organically bound halogen AOX: none.

EU Regulation No. 76/464 EC Heavy Metals and Mixtures: none.

Product ecotoxicity has not been tested: The above is derived from the nature of each component.

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): ---
- 14.6 Special transport way and precaution: ADR/RID/ICAO-TI/IATA-DGR not included in dangerous goods.

15. Regulation

Applicable regulations:

Regulations on the safe use of chemicals in the workplace [(1996) Ministry of Labor issued No. 423] and other regulations have made corresponding provisions for the safe use, production, storage, transportation, loading and unloading of general chemicals. This MSDS is designed under the terms of the Controlled Product Regulations (CPR) and contains all the information it requires to comply with general safety regulations when handling chemicals.

16. Others

	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	20/03/2021

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.