

## 物質安全資料表(MSDS)

## 1 · Identification Of The Substance / Preparation And Company

- 1.1 Product Information: Fixing agent without aldehyde DR-670
- 1.2 Another name: -
- 1.3 Recommend usage:
- 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. Hazards Identification data

- 2.1 Hazard classification:-
- 2.2 Label: -  
Symbol: -  
Caution: -  
Hazard alarm: irritant to skin and eyes. Nonflammable.  
Environment effect: -  
Hazard preventive measure: -
- 2.3 Other hazard: -

## 3. Identification data

English name: fixing agent without aldehyde DR-670		
Synonym name:		
Materials name	CAS Number	%
Poly diallyl dimethyl ammonium chloride, cationic polymers, cationic polymer-polymer	Trade secrets	39~41
Water	7732-18-5	59~61

## 4. First aid measure

- 4.1 First aid measure:  
Eyes: Flush eyes with plenty of water at once.  
Skin: flush contaminated skin with plenty of water completely.  
Inhalation: move to fresh air.  
Ingestion: drink water and disgorge. Get medical attention.
- 4.2 The most harmful effect: -
- 4.3 Protection of first-aid person: -
- 4.4 Suggestion to doctors: -

## 5. Fire fighting measure

- 5.1 Suitable extinguishing media: chemical dry powder, foam and CO<sub>2</sub>
- 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: wear suitable protective equipment.
- 6.2 Environmental precautions: forbid into drain and river by sand and soil.
- 6.3 Cleaning method: collect into bag and transport to safe place.

## 7. Handling and storage:

- 7.1 Handling: enough ventilation. Handle according to regular.
- 7.2 Storage: store at cool and ventilate place.

## 8. Exposure controls/personal protection:

- 8.1 Engineering controls: ventilated
- 8.2 controls parameter:  
PC-TWA/PC-STEL/PC-MAC: -
- 8.3 Personal protective equipment:
  - Hand protection: safety glove
  - Eye protection: safety goggle
  - Skin and body protection: long-sleeve work clothes.
  - Inhale: ventilated equipment
- 8.4 Health measure: No smoking. No food and drink. Keep clean.

## 9. Physical and chemical properties:

- |                   |                            |                              |                  |
|-------------------|----------------------------|------------------------------|------------------|
| • Appearance:     | transparent viscous liquid | • Solid content:             | 40±1%            |
| • Color:          | colorless to light yellow  | • Viscosity:                 | -                |
| • Odor:           | mild                       | • Boiling point:             | -                |
| • Ionic charge:   | -                          | • pH value:                  | -                |
| • Inflammability: | -                          | • Explosion limit:           | -                |
| • Vapor pressure: | -                          | • Vapor density:             | -                |
| • Density:        | -                          | • Solubility:                | soluble in water |
| • Flash point:    | -                          | • Self-ignition temperature: | -                |

## 10. Stability and activity:

- 10.1 Stability: stable in normal condition
- 10.2 Avoidance: avoid strong sunlight.
- 10.3 Avoidant materials: -
- 10.4 Hazard decomposition: -
- 10.5 Hazard polymerization: -

## 11. Toxicological information

- 11.1 Acute toxicology: nontoxic
- 11.2 Local effect: -

11.3 Symptoms: skin: -

11.4 Chronic toxicity/ long-term toxicity:-

11.5 Special effect: -

## 12. Ecological information:

12.1 Ecological toxicity: -

12.2 Environmental influence: harmful to water.

12.3 Accumulation: -

12.4 Decomposition: -

12.5 Other: -

## 13. Disposal considerations:

Disposal method: forbid into river and drain. Disposal according to local rule

## 14. Transport Information

14.1 International transport regulate: -

14.2 UN-number: -

14.3 Native transport name: -

14.4 Transport classification: -

14.5 Package classification: -

14.6 Marine pollutant (yes or no):-

14.7 Special transport way and precaution: -

## 15. Regulation

Suitable regulations: -

## 16. Other

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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.