

# Material Safety Data Sheet

## 1. Identification of Substance /Preparation and Company

- 1.1 Product name: Photo-catalyst SG-818
- 1.2 Another name: -
- 1.3 Recommend Usage : antibacterial, de-odor and anti-fouling
- 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: innocuous
- 2.2 Label: -  
Symbol: -  
Caution: -  
Hazard alarm: innocuous  
Hazard preventive measure: -.
- 2.3 Other hazard: no information

## 3. Identification data

English name:		
Synonym name:		
Materials name	CAS Number	%
Nanometer titanic oxide	13463-67-7	0.3-2.0

## 4. First aid measure

- 4.1 First aid measure:
  - Eyes: Flush eyes with plenty of water and get medical attention.
  - Skin: take off contaminated clothes and flush with water.
  - Inhalation: move to fresh air.
  - Ingestion: drink a lot of water and get medical attention.
- 4.2 The most harmful effect:
  - Inhalation: innocuous
  - Skin: not irritant
  - Eyes: tears or lightly pain
  - Chronic: influence the respiratory tract if long-term spray.
  - Physical and chemical hazard: nonflammable
- 4.3 Protection of first-aid person: -
- 4.4 Suggestion to doctors: -

## 5. Fire fighting measure

- 5.1 Suitable extinguishing media: nonflammable

- 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 glove
- 6.2 Environmental precautions:-
- 6.3 Cleaning method: flush with plenty of water

## 7. Handling and storage

- 7.1 Handling: wash hands after handling.
- 7.2 Storage: Keep container closed. Avoid direct sunlight and high-temperature materials.

## 8. Exposure controls/personal protection

- 8.1 Engineering controls: -
- 8.2 controls parameter:  
PC-TWA/PC-STEL/PC-MAC: -/ -/ -/ -
- 8.3 Personal protective equipment:  
Hand protection: safety glove  
Respirator: -  
Eye protection: safety goggle  
Skin and body protection: -
- 8.4 Health measure: keep clean

## 9. Physical and chemical properties

- |                   |                              |                              |                  |
|-------------------|------------------------------|------------------------------|------------------|
| • Appearance:     | transparent to turbid liquid | • Component:                 | -                |
| • Color:          | yellow                       | • pH value:                  | 6.0-8.0          |
| • Ionic charge:   | -                            | • Boiling point:             | -                |
| • Flash point:    | -                            | • Melt point:                | -                |
| • 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
- 10.2 Avoidance: -
- 10.3 Avoidant materials: acid and alkali
- 10.4 Hazard decomposition: -
- 10.5 Hazard polymerization: -

## 11. Toxicological information

- 11.1 Acute toxicology: LD50 (rat ingestion)>6000mg/kg
- 11.2 Local effect:-
- 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

Disposal method: -

## 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): no
- 14.7 Special transport way and precaution: -

## 15. Regulation

Suitable regulations: safe use chemical material act in working place

## 16. Other

Form Maker	GRACESS INTERNATIONAL CO., LTD. 29F-3, No. 86, Sec. 1, Beixin Rd., Xindian Dist., New Taipei City 231003, Taiwan /+886-2-2673-3998
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