

Material Safety Data Sheet

1. Information on Producer/Supplier

- 1.1 Product name: multi-functional photo-catalyst agent PL-505W
- 1.2 Other name: -
- 1.3 Purpose:
- 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: -
Hazard preventive measure: -.
- 2.3 Other hazard: no information

3. Identification data

English name:		
Synonym name:		
Materials name	CAS Number	%
Titanic oxide	13463-67-7	75~85
other	/	15~25

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: -
Skin: not irritant
Eyes: tears or lightly pain
Chronic: influence the respiratory tract if long-term spray.
Physical and chemical hazard: -
- 4.3 Protection of first-aid person: -
- 4.4 Suggestion to doctors: -

5. Fire fighting measure

- 5.1 Suitable extinguishing media: -
- 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: | white liquid | • pH value: | 6~8 |
| • 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: 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: no information
- 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

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 26/05/2022

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.