

# Material Safety Data Sheet

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

- 1.1 Product Information: Multi-functional agent PL-205WN
- 1.2 Another name: -
- 1.3 Recommend usage:
- 1.4 Information On Producer/ Supplier Name、Addresses 、Phone:  
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29F-3, No. 86, Sec. 1, Beixin Rd., Xindian Dist., New Taipei City 231003, Taiwan
- 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	0.5-1.5
Ethanol	64-17-5	1-5
water	7732-18-5	90-95

## 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: translucent to turbid liquid
- Color: colorless with blue light
- Ionic charge: -
- Flash point: -
- Inflammability: -
- Vapor pressure: -
- Density: -
- Flash point: -
- Solid content: 1.5-2.0%
- pH value:  $4.0 \pm 1.0$
- Boiling point: -
- Melt point: -
- Explosion limit: -
- Vapor density: -
- Solubility: soluble in water
- 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**

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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.