

物質安全資料表(MSDS)

1. Identification of the substance / preparation and company

- 1.1 Product Information : Fluorocarbon Free Water Repellent Agent NF-3093
- 1.2 Another name : -
- 1.3 Recommend usage : -
- 1.4 Information On Producer/ Supplier Name 、 Addresses 、 Phone :
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 : none
Caution : -
Hazard precaution measure :
1 、 Avoid getting into the eyes, slight pain, redness and tearing caused by eye contact
2 、 Slightly irritating to the skin
Environmental hazard : -
Precaution : -

3. Identification data

Mixture : -		
Materials name	CAS Number	%
Polymer resin	Non-public	-
Surfactant	Non-public	-
Acetic acid	64-19-7	-
Water	7732-18-5	-

4. First aid measure

- 4.1 First aid measure :
Inhalation : Move to a well-ventilated place and seek first aid treatment.
Skin : Wash immediately with plenty of water.
Eyes : Immediately flush eyes with running water for at least 15 minutes and seek medical attention immediately.
Ingestion : Seek medical attention immediately.
- 4.2 The most harmful effect : -
- 4.3 Protection of first-aid person : -
- 4.4 Suggestion to doctors : symptomatic treatment.

5. Fire fighting measure

- 5.1 Suitable extinguishing agent : 1. Carbon dioxide extinguishing 2. Chemical powder 3. Water 4. Foam
- 5.2 Special fire measure : When burning: toxic and highly flammable gases are released (explosion hazard). Cooled containers / equipment exposed to high temperature] will be explode.
- 5.3 Special protective equipment to firefighters : Fire extinguishers must wear full pressure self-contained breathing apparatus.

6. Accidental release measure

- 6.1 Personal precaution : Wear appropriate personal protective equipment and ensure proper ventilation.
- 6.2 Environmental precautions : Forbid into river and drain.
- 6.3 Cleaning method : Use suitable absorbent to clean the waste; (ex: sand, sawdust) and clean with water.

7. Handling and storage

- 7.1 Handling : Use only in well-ventilated areas.
- 7.2 Storage : Keep the container sealed and store in a ventilated place.

8. Exposure controls/personal protection

- 8.1 Engineering Control : Use ventilated equipment.
- 8.2 Controls parameter :
PC-TWA/PC-STEL/PC-MAC: -/ -/ -/-
- 8.3 Respiratory System Protection :
Respirator : wear appropriate respiratory apparatus under unventilated place.
Hand protection : safety glove
Eye protection : safety goggle
Skin and body protection : protective clothing · rubber boots.
- 8.4 Hygiene Procedure : follow general chemical precaution method.

9. Physical and chemical properties

- | | | | |
|---------------------------------|-----------------------------|-----------------------|-----------------------|
| • Appearance : | Opaque liquid | • Solid content (%) : | 20.0±1.0 |
| • Color : | Milky white to light yellow | • PH value : | 3.0-5.0 |
| • Odor : | Special odor | • Iconicity : | Cationic |
| • Flash Point(°C) : | >100°C | • Boiling point : | - |
| • Flammability (solid 、 gas): | - | • Explosive limits : | - |
| • Decomposition temperature : | - | • Vapor density : | - |
| • Auto-ignition temperature : | - | • Solubility : | Easy soluble in water |
| • Vapor pressure (25°C): | - | • Chemical Reaction : | - |
| • Proportion : | - | • Evaporation rate : | - |

10. Stability and activity

- 10.1 Stability : Stable
- 10.2 Hazardous reactions under special conditions: Under normal conditions, no hazardous polymerization will occur.
- 10.3 Avoidance : no

10.4 Substances to avoid : strong acid, strong base

10.5 Hazardous decomposition : no

11. Toxicological information

11.1 Local effect : Not irritating the skin .Not classified as sensitive skin contact .

11.2 Acute toxicity : No data.

12. Ecological information

12.1 Ecotoxicity : None.

12.2 Biodegradability : -

12.3 Accumulation in organisms : -

12.4 Impact on the aquatic environment : the product has no impact on the aquatic organisms test.

13. Disposal considerations

13.1 Residual waste: Cannot be disposed of with household waste, and not allowed to enter the sewer ; After pretreatment , incineration according to the hazardous waste disposal method.

13.2 Contaminated containers and packaging: Packaging that cannot be cleaned should be treated as product waste.

14. Transport Information

14.1 UN number: non-dangerous goods, no number

14.2 UN shipping name: not classified as dangerous goods

14.3 Transport hazard classification: not classified as dangerous goods

14.4 Packing category: not classified as dangerous goods

14.5 Marine pollutant (yes or no) : no

14.6 Special shipping methods and precautions : no data

15. Regulation

Refer to local regulations

16. Other Information

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- 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.
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- 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.