

物質安全資料表(MSDS)

1. Identification Of The Substance / Preparation And Company

- 1.1 Product Information: C6 water repellent agent CG-6973
 1.2 Another name: ---
 1.3 Recommend usage: Fabric waterproofing agent
 1.4 Information of Manufacturer or Supplier :
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2. Hazards Identification data

- 2.1 Hazard classification: ---
 2.2 Label: -
 Symbol: -
 Caution: -
 Health hazard : Vapors that irritate eye and respiratory concentrations only at higher temperatures
 Environmental impact: The product is difficult to dissolve, but has low bioaccumulation
 Physical and chemical hazards: under normal , the risk of fire is extremely low
 Hazard precaution measure :
 Wash hands thoroughly after handling
 Airtight container
 Use personal protective equipment as needed
 2.3 Other hazard:
 Inhalation of aerosol or fine spray (fumes) can cause severe damage to the respiratory system
 Inhalation of fumes (soot) from thermal decomposition of fluororesin can cause fever, cough, and other common cold symptoms

3. Identification data

Mixture:

Materials name	CAS Number	%
Fluoropolymer	---	---
Surfactant	---	---
Aceticacid	64-19-7	0.1
Water	7732-18-5	65

4. First aid measure

- 4.1 First aid measure:
 Inhalation: move to fresh air and get medical attention.
 Skin: removing contaminated clothing and shoes, then Immediately wash skin with plenty of water and soap. If irritation occurs, consult a doctor immediately.
 Eyes: flush eyes with plenty of water for 15 minutes and get medical attention.
 Ingestion: If swallowed, do not induce vomiting, and drink 2-4 cups of water or milk after gargle with water.If the patient loses consciousness, do not take anything from the mouth and 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: May produce harmful gases when burning (Hydrogen chloride, hydrogen fluoride, halogenated carbonyls, carbon monoxide and low molecular weight carbon fluoride)
- 5.3 Special fire fighting procedures: Evacuate and isolate people. Fire extinguishing by trained professionals. Move the container from the fire to the open space as much as possible. Fire extinguishing should be upwind to avoid contact with harmful steam and toxic decomposition products. Take measures to prevent the substance and fire effluent from entering streams or water systems.
- 5.4 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: After being adsorbed with inert materials such as soil and dry sand, it is collected in a waste container. If there is a large amount of leakage, use sand to prevent the overflow and guide it to a safe place for recovery.

7. Handling and storage:

- 7.1 Technical measures:
 - Do not use it for spray applications without the supplier's prior written consent.
 - Spray use: Sprays made of small mists on various basic materials (irrespective of spray pressure)
 - Try to suppress the volatilization of steam and keep the working environment at the allowable concentration.
 - Do not breathe vapors and fumes.
 - Do not use at temperatures above 200°C. At this temperature, toxic decomposition products such as hydrogen chloride, hydrogen fluoride, carbonyl fluoride, carbon monoxide, and carbon dioxide may be generated
 - Wear appropriate protective equipment to prevent contact with skin, mucous membranes, clothing and avoid eye contact.
 - Wash hands and face thoroughly after handling.
 - Do not eat or smoke outside designated places.
- 7.2 Precautions:
 - Avoid aerosols during operation.
 - Operate in a well-ventilated area.
 - Prohibition of rough handling or dropping of containers.

7.3 Precautions for safe operation:

Keep in a well-ventilated place.

Store at 5-30 degrees.

Keep away from heat and direct sunlight.

Store away from oxidizing substances and organic peroxides.

After use, the containers must be stored in a designated place.

Packaging materials: polyethylene (high density polyethylene safety can), ultra high molecular weight polyethylene (chemical drum)

8. Exposure controls/personal protection

8.1 Engineering Control:

When working indoors, use equipment that does not expose the operator directly, or install a device such as local exhaust to prevent the operator from being exposed.

Showers, hand washing and eye washing equipment should be set up near the work site.

8.2 Controls parameter:

Acetic acid : PC-TWA 10mg/m³ PC-STEL 20mg/m³

8.3 Personal protective equipment:

Respiratory protection: 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:	liquid	• Solid content (%):	30.0±1.0%
• Color:	milky-white	• PH value:	4.0±1.0
• Odor:	special odor	• Melting point:	---
• Ionic charge:	Weak cation	• Boiling point:	>100°C
• Flammability (solid 、 gas)	---	• Explosive Limits:	---
• Decomposition temperature:	---	• Vapor density:	---
• Auto-ignition temperature:	Nonflammable	• Solubility:	Dispersed in water at any ratio
• Vapor pressure:	---	• Chemical Reaction:	---
• Proportion:	---	• Evaporation Rate:	---
• log Kow:	---	• Flash Point(°C) :	100°C above

10. Stability and activity

10.1 Stability: Stable under specified storage and handling conditions (in closed containers)

10.2 Hazardous reactions under special conditions: Non-Hazardous Polymerization.

10.3 Avoidance: ---

10.4 Substances to avoid: Strong acid, strong base, strong oxidant

10.5 Hazardous decomposition: ---

11. Toxicological information

- 11.1 Acute toxicity (Oral): ---
- 11.2 Acute toxicity(Inhalation): none
- 11.3 Carcinogenicity: No specific information available
- 11.4 Chronic toxicity/ long-term toxicity: ---

12. Ecological information:

- 12.1 Ecotoxicity: ---
- 12.2 Potential bioaccumulation: ---
- 12.3 Non-biodegradability: ---
- 12.4 Biodegradability: ---
- 12.5 Other adverse effects: ---
- 12.6 Remarks: ---

13. Disposal considerations:

Disposal methods:

- 13.1 Disposal should be incinerated with heavy oil and other fuels in an incinerator with decontamination equipment. However, attention should be paid to the generation of toxic gases (hydrogen fluoride, halogenated carbonyls, etc.).
- 13.2 Do not discharge sewage from cleaning containers, machinery and equipment directly to the ground and drains without treatment.
- 13.3 Wastes due to drainage treatment, incineration, etc. should also be disposed of in accordance with the relevant regulations of waste disposal control standards, or signed a contract for disposal.
- 13.4 Containers and other wastes should be disposed of with the entrusted contract of the industrial waste disposer who is authorized to dispose.

14. Transport Information

- 14.1 International transport regulate: ---
- 14.2 UN-number: ---
- 14.3 Native transport name: ---
- 14.4 Transport classification: ---
- 14.5 Marine pollutant (yes or no): ---
- 14.6 Special transport way and precaution:
 - Follow the precautions described in "Section 7 Handling and Storage".
 - Follow the provisions of the Ship Safety Law.
 - Follow the provisions of the aviation law.

15. Regulation

Applicable regulations: local or national regulations

16. Other

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Date 20/03/2021

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.