

# Safety Data Sheet

## (SDS)

<b>Chemicals name</b>	Perfluorotripropylamine XP-3288		
<b>SDS NO.</b>	AD/Q-S-004-2022	<b>Version</b>	3.0
<b>Issue Date</b>	07/18/2023	<b>Previous Date</b>	05/08/2023
<b>Editor</b>	Vivian Zhang	<b>Approved by</b>	Julius Chou
<b>Revision information</b>	Partial update of Section 2 and 11		

# Safety Data Sheet

**Compile Date:** 07/18/2023**Previous Date:** 05/08/2023

## SECTION 1: Chemical and manufacturer data

### 1.1. Product identifier

Perfluorotripropylamine XP-3288

### 1.2. Recommended Use of the Product and Restrictions on Use

**MANUFACTURER:** Nantong A.D Dawning Material Co.,Ltd.**Address:** No.328 Shanghai Road, Qidong Life and Health Industrial Park, Nantong City, Jiangsu Province, China**Telephone:** +86 130 0417 0543 / +86 186 1651 4635

### 1.3. Emergency contact number/fax number/email address

**Emergency contact number:** +86 130 0417 0543 / +86 186 1651 4635**Fax number:** +86 21-58682568**Email address:** julius@megachemistry.cn / vivianzhang@megachemistry.cn

### 1.4. Recommended use and restrictions on use

For Industrial Use Only.

Not Intended for Use in Medical Device or Drug.

Please contact for further information.

## SECTION 2: Hazards identification

### 2.1. Hazard classification

Not classified as hazardous.

### 2.2. Label Elements

**Signal word**

Not applicable

**Symbols**

Not applicable

**Pictograms**

Not applicable

**Hazard Statements**

None

**Prevention**

None

**Response**

None

**Storage**

Store in a well-ventilated place. Keep container airtight.

**Disposal**

Dispose of contents/containers in accordance with local/regional/national/international regulations.

**2.3.Other Hazards Which Are Not Covered by The GHS**

No information available.

**SECTION 3: Composition/information on ingredients**

Component	Concentration (%)	CAS NO.	EC NO.
Perfluorotripropylamine	100	338-83-0	206-420-2

**SECTION 4: First aid measures****4.1. Description of First Aid Measures****Inhalation:**

Move the victim to fresh air and keep airway unobstructed. Keep the victim warm and quiet. Call the medical emergency services. If breathing is difficult, give oxygen. If not breathe, give artificial respiration.

**Skin contact:**

Remove and insulate contaminated clothing, shoes and socks. Flush the skin with running water at least 20 minutes. If feel unwell, get medical help.

**Eye contact:**

Flush the eyes with running water at least 20 minutes immediately. If feel unwell, get medical help.

**Ingestion:**

Rinse mouth. Do not induce vomiting without medical advice. Keep the victim warm and quiet. Call the medical emergency services. If breathing is difficult, give oxygen. If not breathe, give artificial respiration.

**Protecting of First-aiders:**

Ensure that first-aiders are aware of the hazard characteristics of the product. Take precautions to protect themselves and prevent spread of contamination.

**4.2. Most Important Symptoms/Effects, Acute and Delayed.**

No information available.

**4.3. Indication of Immediate Medical Attention and Special Treatment Needed**

Reaction from exposure to the substance (including inhalation, ingestion and skin contact) may be delayed.

## SECTION 5: Fire-fighting measures

**5.1. Extinguishing Media**

**Suitable extinguishing media:** It is recommended to use water mist/ alcohol-resistant foam/ dry powder/ dry sand/ carbon dioxide (CO<sub>2</sub>) to extinguish the fire. Please select the suitable extinguishing medium according to the specific situation.

**Unsuitable extinguishing media:** Avoid using solid stream nozzle. Solid water stream may cause combustibles to splash and spread the fire.

**5.2. Specific Hazards Arising From the Chemical**

It may release irritating and toxic smokes under high temperature or burning conditions. The sealed container may explode if heated.

**5.3. Special Protective Equipment and Precautions for Fire-fighters**

As in any fire, wear self-contained breathing apparatus (SCBA) and full protective gear. Remove containers containing substance from the scene of the accident when there is no danger. In the event of a major fire, use a remote control fire extinguisher to extinguish the fire. If it fails, evacuate the fire area and let it burn. Evacuate quickly if the safety valve of the container makes a noise or the container changes color. Keep away from tanks that are engulfed by fire.

## SECTION 6: Accidental release measures

**6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

On the premise of ensuring safety, cut off the source of leakage as much as possible. Evacuate personnel to safe areas quickly. Keep people away from and upwind of spill/leak. Stay away from low-lying areas. Use personal protective equipment and avoid breathing vapor, smoke, gas or dust. Ensure adequate ventilation. Remove all sources of ignition.

## 6.2. Environmental Precautions

Collect the leakage. Do not let the product release into the drain. Avoid discharging to the environment.

## 6.3. Methods and Materials for Containment and Cleaning Up

If small amount of leakage, absorb spilled material in dry sand or inert absorbent. If large amount of leakage, it is necessary to construct a dam in front of the leakage for subsequent treatment.

# SECTION 7: Handling and storage

## 7.1. Precautions for Safe Handling

Operators should be specially trained and strictly abide by the operating procedures. Operation and disposal should be carried out in a place with local ventilation or comprehensive ventilation facilities. Avoid contacting with eyes and skin. Avoid breathing vapor, mist or dust. See section 8 (Exposure Control/Personal Protection) for personal protection measures. Keep away from fire and heat sources. Smoking is strictly prohibited in the workplace. Avoid contacting with incompatible materials if not for its intended purpose. See section 10 (Stability and Reactivity) for incompatible substances. Hazardous materials may remain in used containers. Load and unload lightly during transportation to prevent the package from breaking. Wash hands and face thoroughly after the operation, and prohibit eating or drinking in the workplace.

## 7.2. Conditions for Safe Storage

Refer to relevant national and local regulations before storage. Store in a dry, cool and ventilated place. It should be stored separately from incompatible materials, food and food containers. See section 10 (Stability and Reactivity) for incompatible substances. Keep the container tightly closed. Keep away from fire, heat sources. Prevent exposure to the sun. The storage area should be equipped with emergency treatment equipment and suitable storage materials. Materials with different fire extinguishing methods should be stored separately.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control Parameters

According to GBZ 2.1-2019 "Occupational exposure limits for hazardous agents in the workplace - Part 1: Chemical hazardous agents"

Limits in The Air of The Workplace: No information available.

Biological Limit Values: No information available.

## 8.2.Appropriate Engineering Controls

Maintain adequate ventilation, especially in enclosed areas. Provide eyewash and shower facilities near the workplace. Set up emergency evacuation channels. Equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment.

## 8.3. Individual Protection Measures

### Eye and face protection

Wear chemical safety protective glasses or face shield.

### Hands protection

Wear chemical protection gloves.

### Body protection

Wear flame-retardant, anti-static and anti-seeping protective clothing. Wear anti-static protective boots.

### Respiratory protection

When the concentration in the air exceeds the occupational exposure limit or irritation and other symptoms occur, please use a full-face multifunctional gas mask.

### Other protection

Smoking is prohibited in the workplace. Wash thoroughly after work and do not bring work clothes to non-workplaces. The type of protective equipment must be selected according to the concentration and property of hazardous substances in a specific workplace.

# SECTION 9: Physical and chemical properties

## 9.1.Information on basic physical and chemical propertie

Appearance	Colorless transparent liquid
Odour	No information available.
pH	No information available.
Melting Point/Freezing Point (°C)	No information available.
Boiling Point/ Initial Boiling Point/ Boiling Range (°C)	No information available.
Flash Point (Closed Cup) (°C)	No flash point
Vapor Pressure	1200 (Pa)
Flammability	No information available.
Density (g/cm <sup>3</sup> )	1.820(20°C)
volume resistivity	10 <sup>15</sup>
Dielectric Strength , 0.1" gap	> 40
Dielectric Constant @1kHz	1.9

Solubility	Not easily soluble in water.
Lower/Upper Explosion Limit [% (v/v)]	No information available.
Vapour Pressure (MPa)	No information available.
Relative vapour density	No information available.
n-Octanol/Water Partition Coefficient	No information available.
Auto-ignition Temperature (°C)	No information available.
Decomposition Temperature (°C)	No information available.
Kinematic Viscosity (mm <sup>2</sup> /s)	No information available.
Particle Characteristics	Not applicable.

## SECTION 10: Stability and reactivity

### 10.1.Reactivity

Contacting with incompatible substances can cause decomposition or other chemical reactions.

### 10.2.Chemical Stability

Stable under correct conditions of storage and use.

### 10.3.Possibility of Hazardous Reactions

No information available.

### 10.4.Conditions to Avoid

High temperature, open flame, sparks, static electricity and direct sunlight.

### 10.5.Incompatible Materials

No information available.

### 10.6.Hazardous Decomposition products

Under correct conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1.Acute Toxicity

**Perfluorotripropylamine:** LD<sub>50</sub> (Rat Oral) - >2000 mg/kg

LC<sub>50</sub> (Rat Inhalation) - >5.8mg/L-4h

### 11.2.Skin Corrosion/Irritation

Not applicable.

### 11.3.Serious Eye Damage/Irritation

Not applicable.

### 11.4.Skin Sensitization

No information available.

### 11.5.Respiratory Sensitization

No information available.

**11.6.Germ Cell Mutagenicity**

No information available.

**11.7.Carcinogenicity**

No information available.

**11.8.Reproductive Toxicity**

No information available.

**11.9.STOT-Single Exposure**

No information available.

**11.10.STOT-Repeated Exposure**

No information available.

**11.11.Aspiration Hazard**

No information available.

## SECTION 12: Ecological information

**12.1.Ecotoxicity**

Perfluorotripropylamine: No information available.

**12.2.Persistence and Degradability**

No information available.

**12.3.Bioaccumulative Potential**

No information available.

**12.4.Mobility in Soil**

No information available.

**12.5.Other Adverse Effects**

No information available.

## SECTION 13: Disposal considerations

**13.1.Waste Chemicals**

Before disposal should refer to the relevant national and local laws and regulations. Recommend disposing by qualified hazardous waste treatment company.

**13.2.Contaminated Packaging**

Containers may still present chemical hazard when empty. Return to supplier for recycling if possible or disposal in accordance with national and local regulations.

**13.3.Other Disposal Information**



For the safety of persons conducting disposal, recycling or reclamation activities, see section 8 (Exposure controls and Personal protection) of the SDS.

## SECTION 14: Transport Information

### 14.1.UN Number

Not applicable .

### 14.2.Proper Shipping Name

Not subject to UN "Recommendations on the Transport of Dangerous goods Model Regulations" and may be transported as ordinary goods.

### 14.3.Transport Hazard Class

Not applicable .

### 14.4.Transport Subsidiary Hazard Class

Not applicable .

### 14.5.Packing Group

Not applicable .

### 14.6.Dangerous to the Aquatic Environment

No.

### 14.7.Attentions for Transportation

The transport information, such as UN Number, is based on UN "Recommendations on the Transport of Dangerous Goods Model Regulations"(Rev. 22). Refer to relevant national and local regulations before transportation. Comply with relevant regulations on maritime, air, and land transportation. Make sure the container does not leak before transportation. Avoid exposure to sunlight and high temperature during transportation. Transportation vehicles should be equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment during transportation. It is strictly forbidden to mix and transport with incompatible substances, food and food containers, etc.

## SECTION 15: Regulatory information

### 15.1.China Regulations on the Control over Safety of Dangerous Chemicals

1. The regulations applicable to the safety management for the production, storage, use, business and transportation of hazardous chemicals.
2. Whether the product is listed in "China Catalog of Hazardous Chemicals" (2015 Edition): No.
3. Whether the product complies with the "Principles for Definition and Determination of Hazardous Chemicals" in "China Catalogue of Hazardous Chemicals" (2015 Edition): Yes.

### 15.2.China Provisions on Environmental Administration of New Chemical Substances

1. The provisions applicable to the environmental management of new chemical substances which is used in research, production, import and processing.
2. Whether the product is listed in "China Inventory of Existing Chemical Substances" (2013 Edition):  
Included.

## SECTION 16: Other information

### 16.1.Revision Date

2023/07/18

### 16.2.Previous Date

2023/05/08

### 16.3.According to the Standard

UN "Globally Harmonized System of Classification and Labelling of Chemicals" (Rev.9)

### 16.3.Abbreviations

GHS–Globally Harmonized System of Classification and Labelling of Chemicals.

EC NO.–European Inventory of Existing Commercial Chemical Substances Number.

CAS NO.–Chemical Abstract Service Number.

LC50–The concentration of a chemical which causes the death of 50% of a group of test animals.

LD50–The amount of a chemical which causes the death of 50% of a group of test animals.

### 16.4.Disclaimer

This Safety Data Sheet (SDS) is revised by Nantong A. D MaterialsCo. Ltd and issued on 2023/07/18. The Previous version was created on 2023/05/08. The information in this Safety Data Sheet (SDS) is prepared as accurate as possible based on our knowledge of the date issued.This SDS is intended for reference purposes only.Users of SDS should judge the applicability of relevant information according to the actual situation.