

Material Safety Data Sheet

1. IDENTIFICATION

Product Name: Coadd™ DF-8600

Chemical Family: Defoaming Agent

COMPANY IDENTIFICATION:

Polywill (Shanghai) Advanced Material Co., Ltd.

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2. HAZARDS IDENTIFICATION

Hazard classification

GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

Other hazards

No known hazard has been reported

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Modified polysiloxane

The product is a mixture

Other Component	CAS	Concentration (%)
Modified polysiloxane	9011-19-2	100

4. FIRST AID MEASURES

Description of first aid measures

General advice:

If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation:

Move person to fresh air; in case of symptom, consult a physician.

Skin contact:

Wash off with soap and plenty of water. In case of skin irritation, consult a physician.

Eye contact:

Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. Suitable emergency eye wash facility should be available in work area.

Ingestion:

Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to unconscious person. Never give anything by mouth to unconscious person. Seek medical advice in case of symptom.

5. FIREFIGHTING MEASURES

Suitable extinguishing media:

Use the following extinguishing media when fighting fires involving this material: polar solvent (alcohol) foam Carbon dioxide (CO₂) Dry chemical Water spray

Unsuitable extinguishing media:

No data available

Special hazards arising from the substance or mixture Hazardous combustion products:

Carbon oxides, silicone oxides

Unusual Fire and Explosion Hazards:

No data available

Advice for firefighters Fire Fighting Procedures:

No data available

Special protective equipment for firefighters:

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep people away from and upwind of spill/leak. Material can create slippery conditions.

Environmental precautions:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods and materials for containment and cleaning up:

Contain spills immediately with inert materials (e.g., sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

Conditions for safe storage:

Keep container tightly closed and dry in a cool, well-ventilated place. Reseal and store in upright position when not using. No smoking in storage area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Exposure controls

Engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection: Use chemical goggles.

Skin protection

Hand protection: Use gloves chemically resistant to this material when prolonged or

frequently repeated contact could occur. Examples of preferred glove barrier materials include: Butyl rubber. Ethyl vinyl alcohol laminate ("EVAL"). Examples of acceptable glove barrier materials include: Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). Avoid gloves made of: Polyvinyl alcohol ("PVA"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Other protection: Wear clean, body-covering clothing.

Respiratory protection: Under intended handling conditions, no respiratory protection should be needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	Liquid
Color	Colorless to Light yellow
Odor	Mild
Odor Threshold	No data available
pH	Not applicable
Density	0.9g/ml (25°C)
Melting point/range	No data available
Freezing point:	No data available
Boiling point (760 mmHg)	No data available
Flash point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available

Vapor Pressure	No data available
Water solubility	Immiscible
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Dynamic Viscosity	<1000 mPa.s(25°C)
Explosive properties	No data available
Oxidizing properties	No data available
Non-volatile content	>80% (150°C, 30mins)

10. STABILITY AND REACTIVITY

Reactivity: Not classified as reactive

Chemical stability: Stable

Possibility of hazardous reactions: No decomposition if stored and applied as directed.

Stable Conditions to avoid: Heat, flames.

Incompatible materials: Avoid contact with acids, alkalis and strong oxidizing agents.

Hazardous decomposition products: None known

11. TOXICOLOGICAL INFORMATION

Toxicological information appears in this section when such data is available.

Acute toxicity

Acute oral toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

For this family of materials: LD50, Rat, male, > 5,000 mg/kg

Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

For this family of materials: LD50, Rabbit, male, > 2,000 mg/kg

Acute inhalation toxicity

No adverse effects are anticipated from single exposure to vapor.

Skin corrosion/irritation

Brief contact may cause slight skin irritation with local redness.

Serious eye damage/eye irritation

May cause slight temporary eye irritation.

Sensitization

For this family of materials: Did not cause allergic skin reactions when tested in humans

For respiratory sensitization:

No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

No relevant data found.

Carcinogenicity

No relevant data found.

Teratogenicity

No relevant data found.

Reproductive toxicity

No relevant data found.

Aspiration Hazard

Based on physical properties, not likely to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when such data is available.

Toxicity Acute toxicity to fish

No data available

Acute toxicity to aquatic invertebrates

No data available

Persistence and degradability

Biodegradability:

No data available

Bio-accumulative potential

Bioaccumulation:

No bioconcentration of the polymeric component is expected because of its high molecular weight. No data available

Mobility in soil

No data available

13. DISPOSAL CONSIDERATIONS

Environmental precautions:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Disposal:

For disposal, incinerate or landfill at a permitted facility in accordance with local regulations.

Contaminated packaging: Empty containers retain product residues. Follow label warnings even after container is emptied. Improper disposal or reuse of this container may be dangerous and illegal. Refer to applicable federal, state and local regulations.

14. TRANSPORT INFORMATION

UN Number

Not regulated as a dangerous good

Classification for ROAD and Rail transport:

Not regulated (Not dangerous for transport)

Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15. REGULATORY INFORMATION

China. Inventory of Existing Chemical Substances in China (IECSC):

All intentional components in this product are either listed on the Inventory of Existing Chemical Substances in China (IECSC) or approved for exemption. Production and/or use is limited by the conditions of the exemption.

United States TSCA Inventory (US.TSCA):

All components of this product are produced in compliance with the requirements of the U.S. Toxic Substances Control Act (TSCA) and are either listed on or are exempt from listing on the Inventory.

Provisions on the Environmental Administration of New Chemical Substances. General rule of classification and hazard communication of chemicals

Law on Prevention and Control of Environmental Pollution Caused by Solid Waste.

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.