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Safety Data Sheet

Product Name: PChem® BM272AC

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Pioneer Chemicals CO., LTD. encourages and expects you to read and understand the entire SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product name Acrylic Resin PChem®BM272AC

Manufacturer/Supplier: Shanghai Pioneer Chemicals Co., Ltd.

Responsible office: Floor 5, Jinyuan Business Building, 1218 Yongsheng Road, Jiading, Shanghai China

Emergency number: +(86) 21-5995-3629

Recommended use(s): Raw Material for the production of coatings, inks and adhesives.

SECTION 2: Hazards identification

GHS-Classification in accordance with 29 CFR 1910.1200

Label elements As per UN-GHS: GHS-Compliant

Other hazards: None

SECTION 3: Composition/information on ingredients

Hazardous Ingredients As per UN-GHS

Component	CAS-No.	Content	Hazard class/ Hazard category/ Hazard statement
Acrylic resin	28572-98-7	99.0 (Min.)	None
Ethyl methacrylate	97-63-2	1.0 (Max.)	Hazardous impurities

SECTION 4: First aid measures

Description of first aid measures

After inhalation: Move to fresh air, If symptoms persist, call a physician

After skin contact:	Wash off immediately with plenty of water for at least 15 minutes, If symptoms persist, call a physician
After eye contact:	Keep eye wide open while rinsing. If symptoms persist, call a physician
After ingestion:	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician
Most important symptoms and effects, both acute and delayed:	None known
Indication of any immediate medical attention and special treatment needed:	no

SECTION 5: Fire fighting measures

Extinguishing media

Suitable extinguishing media: Use CO2, dry chemical, or foam

Extinguishing media which must not be used for safety reasons:

Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture:

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases, Heating or fire can release toxic gas

Advice for fire-fighters: Special protective equipment for fire-fighters Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Use personal protective clothing. Use breathing apparatus if exposed to vapours/dust/mist/aerosol. High risk of slipping due to leakage/spillage of product.

Environmental precautions:

Prevent product from getting into drains/surface water/groundwater.

Methods and material for containment and cleaning up:

Take up mechanically. Dispose of in accordance with regulations.

Reference to other sections:

For personal protection see section 8.

SECTION 7: Handling and storage

Precautions for safe handling

Safe handling advice: Processing of the material under high temperatures will cause hazardous emissions of vapors, carbon monoxide or carbon dioxide. Blower collecting and local exhaust ventilation

systems should be installed to prevent contaminant dispersion into the air. Sawing of this product generates particulates regulated as “inert” or “nuisance” dusts. To minimize dust emissions, engineering controls should be employed, such as bag house filters and cyclone separators. A proper mask may be required.

Advice on protection

against fire and explosion: Ensure ventilation of work areas and extraction of dust and vapor likely to be given off during processing of this product

Conditions for safe storage, including any incompatibilities

Requirements for storage

areas and containers: Storage at maximum 70°C. If material is stored under ambient temperature conditions, it is not hazardous. However, extensive storing at higher than the maximum temperature will emit vapors, carbon monoxide or carbon dioxide.

Specific end use(s):

SECTION 8: Exposure controls/personal protection

Control parameters: see section 8.2

Exposure controls:

Protective measures:	Do not inhale dust
Hygiene measures:	Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.
Respiratory protection:	respiratory protection in case of dust formation
Hand protection:	protective gloves against mechanical risks according to EN 388
General information:	Gloves should be replaced regularly, especially after extended contact with the product. For each work-place a suitable glove type has to be selected
Eye protection:	tightly fitting goggles

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Form: Powders
Colour: Transparent
Odour: Odorless
Glass Transition Temperature: 40°C
Boiling Temperature: Not applicable
Flash point: Not applicable
Ignition temperature: 380°C
Lower explosion limit: Not applicable
Upper explosion limit: Not applicable
Vapour pressure: Not applicable
Density: 1.13 g/cm³
Bulk density:
Solubility in water: Negligible

pH: Not applicable
n-Octanol/water partition coefficient: Not applicable
Viscosity (dynamic): Not applicable

Other information:

SECTION 10: Stability and reactivity

Reactivity: see section 10.2.

Chemical Stability: Stable

Possibility of hazardous reactions: None

Conditions to avoid: Temperatures over 300°C/570°F.

Incompatible material: Acids, bases, and strong oxidizing agents.

Hazardous decomposition products: Thermal decomposition or combustion may emit vapors, carbon monoxide, or carbon dioxide.

SECTION 11: Toxicological information

Information on toxicological effects

toxicokinetics, metabolism and distribution:	Unlikely to be harmful
Acute Oral Toxicity:	Unlikely to be harmful by inhalation under ambient temperature. At high temperature, products of thermal decomposition can be irritating.
Caustic burning / irritation of skin:	Not a skin sensitizer, and is non-irritating to skin under ambient temperature. At high temperature, contact with product can cause serious burns.
Serious eye damage / eye irritation:	Dust may causes eye damage
Respiratory / skin sensitization:	When it is dissolved into organic solvent, it may cause an allergic skin reaction. May causes respiratory irritation
Aspiration hazard:	No
Germ cell mutagenicity:	None known
Carcinogenicity:	None known
Reprotoxicity / teratogenicity:	None known
Human health hazard assessment:	No
Specific Target Organ Toxicity - Single exposure	This product should have very low toxicity to organisms
Specific Target Organ Toxicity - Repeated exposure	This product should have very low toxicity to organisms

General information:

This product is non-biodegradable in soil, and there is no evidence of degradation in soil and water.

SECTION 12: Ecological information

Toxicity

Hazardous to the aquatic environment: According to its composition, this product should not be harmful under normal condition

Persistence and degradability

Persistence and degradability: No evidence of biodegradable or degradation in soil and water

Bioaccumulative potential

Bioaccumulation: Due to the insoluble nature, it has low potential for bioaccumulation

Mobility in soil

Mobility: Low mobility in soil

Results of PBT and vPvB assessment

PBT and vPvB assessment: Not Available

Other adverse effects

General information: None known

SECTION 13: Disposal considerations

Waste treatment methods

Product: Should not be released into the environment. Dispose of in accordance with the European Directives on waste and hazardous waste.

Uncleaned packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

UN number: Not regulated

UN proper shipping name

Land transport ADR/GGVSEB: Not regulated

Land transport RID/GGVSEB: Not regulated

Inland waterway transport ADN/GGVSEB (Germany): Not regulated

Shipment by sea IMDG/GGVSee: Not regulated

Air transport ICAO/IATA: Not regulated

Transport hazard class(es): Not regulated

Packing group: Not regulated

Environmental hazards: Not regulated

Special precautions for user: Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not regulated

SECTION 15: Regulatory information

Safety, health and environmental regulations/ legislation specific for the substance or mixture

Classification as per Directive 1272/2015

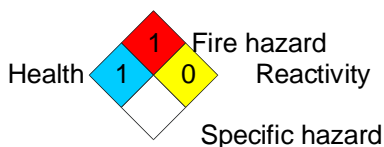
The substance/preparation is not classified as hazardous material in accordance with Directive(s) 1272/2008 and the new annexe 1272/2015.

National legislation

Status of Registration:	REACH (EU)	Registered
	TSCA (USA)	Registered
	DSL (CDN)	Registered
	AICS (AUS)	Registered
	METI (J)	Registered
	ECL (KOR)	Registered
	PICCS (RP)	Registered
	IECSC (CN)	Registered
	HSNO (NZ)	Registered

SECTION 16: Other information

Hazard Rating System
HMIS



Chinese customs tariff number: 3906909090

Brussels nomenclature: Now replaced by Harmonized commodity description code as 390690

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