MATERIAL SAFETY DATA SHEET

Polyacrylamide

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Item	Details
Product name	Polyacrylamide
Company	COSMO CHEMISTRY
Address	Office No. 713, Millennium Business Hub, Sarthana Jakatnaka, Varachha Main Road, Surat, Gujarat, India – 395006
Email	info@cosmochemistry.com
Emergency Phone	+91 979797 7958
Recommended use of the chemical and restrictions on use	Industrial uses only. Industrial uses such as sewage treatment. Not edible.
Unique Formula Identifier (UFI)	No data available.
Nanoform substances	No data available.
Reach registration number	No data available.

SECTION 2 HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008 and Related Amending Regulations

Physical Hazards

Not Classified

Health Hazards

Not Classified

Environmental Hazards

Not Classified

The hazards not mentioned are not applicable or no data available.

Label Elements

Pictogram:

None

Signal Word

No Signal Word

Hazard Statements

None

Precautionary Statements

P501

Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Hazards

Results of PBT/vPvB assessment (According to (EC) No. 1907/2006)

Polyacrylamide:

Not PBT/vPvB

Results of Endocrine Disrupting Properties assessment

(According to (EU) No. 2017/2100 or (EU) No. 2018/605)

Polyacrylamide:

Not ED

SECTION 3 INFORMATION ON INGREDIENTS

Product Name

Polyacrylamide

Ingredient	Concentration	CAS No.	EC No.
Polyacrylamide	90%	9003-05-8	618-350-3

Classification

Physical Hazard: None

Health Hazards: None

Environmental: None

Specific Concentration Limits

None

M-Factors

None

Acute Toxicity Estimates (ATE)

None

Nanoform Component and its Particle Characteristics

No data available.

SECTION 4 FIRST-AID MEASURES

Skin Exposure

In case of skin contact, flush with copious amounts of water.

If irritation persists,

Call a physician.

Eye Exposure

In case of contact with eyes,

flush with copious amounts of water for at least **15 minutes.**

Assure adequate flushing by separating the eyelids with fingers.

If irritation persists,

Call a physician.

Inhalation Exposure

If inhaled,

remove to fresh air.

If breathing is difficult,

give oxygen.

If not breathing,

give artificial respiration.

Call a physician.

Oral Exposure

If victim is conscious,

wash mouth out with warm water.

Call a physician.

Most Important Symptoms and Effects, both Acute and Delayed

No data available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

No data available.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:

Dry chemical, Water spray, Carbon dioxide or appropriate foam.

Unsuitable Extinguishing Media:

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

Specific Hazards Arising from the Substance or Mixture

Take care as it may decompose upon combustion or in high temperatures to generate **carbon oxides and nitrogen oxides.**

Advice for Firefighters

Protective Equipment:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Fire-extinguishing work is done from the windward.

Uninvolved persons should evacuate to a safe place.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Ensure adequate ventilation.

Avoid breathing dust.

Entry to uninvolved personnel should be controlled around the leakage area by roping off, etc.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Avoid product enter drains.

Methods and Materials for Containment and Cleaning Up

Sweep up with spade and transfer to a dry, clean, lidded container for disposal.

Avoid raising dust.

Ventilate area and wash spill site after material pickup is complete.

Reference to Other Sections

Please refer to **Sections 8 and 13** if appropriate.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling

Operators should be trained and strictly abide by operating procedures.

Wear appropriate protective clothing and chemical safety gloves.

Avoid inhalation of dust.

Avoid contact with eyes, skin and clothing.

Prevent generation of dust.

Handling is performed in a well ventilated place.

Keep away from ignition sources, heat and flame.

No smoking at working site.

Avoid contact with strong oxidizing agents.

Wash hands and face thoroughly after handling.

Load and unload with care to prevent the packaging from breaking and damp and causing losses while handling.

Working place should be equipped with appropriate varieties and quantities of fire fighting equipment, leakage emergency treatment equipment and suitable containment materials.

Conditions for Safe Storage, Including Any Incompatibilities

Store in a cool, ventilated and dry warehouse.

Keep away from ignition sources, heat and flame.

Keep container tightly closed.

Store separately from strong oxidizing agents.

Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment, leakage emergency treatment equipment and suitable containment materials.

Specific End Use

Apart from the uses mentioned in **Section 1**, no other specific uses are available.

SECTION 8 EXPOSURE CONTROL / PPE

Control Parameters

Commission Directive **98/24/EC** and related indicative lists:

Not set up

Exposure Controls

Appropriate Engineering Controls

Safety shower and eye bath.

Mechanical exhaust required.

Personal Protective Equipment

Eye / Face Protection

Wear chemical safety glasses if needed.

Skin Protection

Hand Protection:

Wear compatible protective gloves.

Body Protection:

Wear appropriate protective clothing.

Respiratory Protection

Wear government approved respirator if needed.

Thermal Hazards

No data available.

Environmental Exposure Controls

Avoid product enter drains.

SECTION 9 PHYSICAL / CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Property	Value
Physical State	Little granule
Colour	White
Odor	Weak odor
Odor Threshold	No data available
pH	7–8
Solubility(ies)	Slightly soluble in water
Melting Point / Freezing Point	>220°C decomposition
Flash Point (Closed Cup)	Not applicable
Initial Boiling Point and Boiling Range	Not applicable
Density / Relative Density	No data available
Kinematic Viscosity	Not applicable
Upper / Lower Explosive Limits	No data available
Vapor Pressure	No data available
Relative Vapor Density	No data availabl

SECTION 9 PHYSICAL / CHEMICAL PROPERTIES (Continued)

9.1 Information on Basic Physical and Chemical Properties

Property	Value
Partition Coefficient (n-Octanol/Water)	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Evaporation Rate	Not applicable
Flammability	Not classified in Division 4.1 Flammable Solids
Particle Characteristics	No data available

9.2 Other Information

Information with regard to physical hazard classes

No data available.

Other Safety Characteristics

No data available.

SECTION 10 STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical Stability

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions

No data available.

Conditions to Avoid

No data available.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides and nitrogen oxides.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on Hazard Classes as Defined in Regulation (EC) No. 1272/2008

Acute Toxicity

No data available.

Skin Corrosion / Irritation

No data available.

Serious Eye Damage / Irritation

No data available.

Respiratory Sensitization

No data available.

Skin Sensitization

No data available.

Germ Cell Mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive Toxicity

No data available.

Specific Target Organ Toxicity – Single Exposure

No data available.

Specific Target Organ Toxicity – Repeated Exposure

No data available.

Aspiration Hazard

No data available.

11.2 Information on Other Hazards

Endocrine Disrupting Properties

Based on available data, the product doesn't contain any component that is endocrine disruptor according to **(EU) No. 2017/2100** or **(EU) No. 2018/605**.

Other Information

No data available.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

No data available.

Persistence and Degradability

No data available.

Bioaccumulative Potential

No data available.

Mobility in Soil

No data available.

Results of PBT and vPvB Assessment

This substance/mixture contains **no components** considered to be either **persistent, bioaccumulative and toxic (PBT)**, or **very persistent and very bioaccumulative (vPvB)** at levels of **0.1% or higher**.

Endocrine Disrupting Properties

Based on available data, the product doesn't contain any component that is endocrine disruptor according to **(EU) No. 2017/2100** or **(EU) No. 2018/605**.

Other Adverse Effects

No data available.

SECTION 13 DISPOSAL CONSIDERATION

Waste Treatment Methods

Recycle as far as possible.

If unable to recycle, it is recommended to use **incineration** method for disposal under supervision.

This product should **not** be disposed of by discharge into sewers.

Return empty containers to the manufacturer or dispose of them in accordance with national and local regulations.

Follow the relevant provisions of national and local regulations before disposal.

It is recommended to be disposed of by a qualified chemical waste treatment department.

SECTION 14 TRANSPORT INFORMATION

RID / ADR (2023 Edition)

The product is **not subject to RID/ADR**.

SECTION 14 TRANSPORT INFORMATION (Continued)

IATA DGR (64th Edition)

The product is **not subject to IATA DGR.**

IMO IMDG Code (2020 Edition)

The product is **not subject to IMO IMDG Code.**

Environmental Hazards

No

Special Precautions for User

No data available.

Maritime Transport in Bulk According to IMO Instruments

Not applicable.

SECTION 15 REGULATORY INFORMATION

Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture

The product is classified and labelled according to **Regulation (EC) No. 1272/2008** and related amending regulations.

The safety data sheet is compiled according to **Regulation (EU) 2020/878**.

Chemical Safety Assessment

No data available.

SECTION 16 OTHER INFORMATION

Abbreviations and Acronyms

- **OECD** – Organization for Economic Cooperation and Development
- **ADR** – European Agreement concerning the International Carriage of Dangerous Goods by Road
- **RID** – Regulations concerning the International Carriage of Dangerous Goods by Rail
- **IMO** – IMO (IMDG Code: International Maritime Organization)
- **IATA** – International Air Transport Association
- **Dangerous Goods Code**
- **IATA DGR** – International Air Transport Association Dangerous Goods Regulations
- **EINECS** – European Inventory of Existing Commercial Chemical Substances
- **CAS** – Chemical Abstracts Service
- **EU** – European Union
- **EC** – European Commission

Other Information

This SDS is compiled based on the information such as ingredients provided by the applicant and our current knowledge.

This SDS shall be used only as a guide.

The users of this SDS must make independent judgments on the correctness and completeness and decide its suitability according to the actual situation.

The users should take the relevant legal responsibilities for the consequences of use.