# SAFETY DATA SHEET (SDS)

# Polyacrylamide

Issue date: 21-08-2018

## Section 1: Product Identifier and Chemical Identity

| Product Identifier | |
|---|---|
| Product Name: | Polyacrylamide |
| Product Codes: | MC91.52 |
| Other means of identification: | |
| External product name and code/s: | 882202<br>Acrylamide polymer |
| Manufacturer: | |
| Carolina Biological Supply Company | 2700 York Road, Burlington, North Carolina, 27215, USA<br>Website: www.carolina.com |
| Suppliers name, address and phone number | |
| Suppliers Name: | Southern Biological |
| Suppliers ABN: | 94 630 703 810 |
| Suppliers Address: | 1/44 Rushdale Street<br>Knoxfield Victoria 3180 Australia |
| Suppliers Phone No.: | 1300 138 561 |
| Suppliers Fax No.: | +613 9753 3896 |
| Emergency Phone number (BH) | 1300 138 561 |

SOUTHERN Biological

# Safety Data Sheet

# Polyacrylamide

CAROLINA®
www.carolina.com

## Section 1 Product Description

| | |
|---|---|
| **Product Name:** | Polyacrylamide |
| **Recommended Use:** | Science education applications |
| **Synonyms:** | Acrylamide Polymer |
| **Distributor:** | Carolina Biological Supply Company<br>2700 York Road, Burlington, NC 27215<br>1-800-227-1150 |
| **Chemical Information:** | 800-227-1150 (8am-5pm (ET) M-F) |
| **Chemtrec:** | 800-424-9300 (Transportation Spill Response 24 hours) |

## Section 2 Hazard Identification

**Classification of the chemical in accordance with paragraph (d) of §1910.1200;**

## WARNING

May form combustible dust concentrations in air

**GHS Classification:**
Combustible Dust Category 1

## Section 3 Composition / Information on Ingredients

| Chemical Name | CAS # | % |
|---|---|---|
| Polyacrylamide | 25085-02-3 | 100 |

## Section 4 First Aid Measures

**Emergency and First Aid Procedures**

| | |
|---|---|
| **Inhalation:** | In case of accident by inhalation: remove casualty to fresh air and keep at rest. |
| **Eyes:** | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| **Skin Contact:** | After contact with skin, wash immediately with plenty of water. |
| **Ingestion:** | If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. |

## Section 5 Firefighting Procedures

| | |
|---|---|
| **Extinguishing Media:** | Use dry chemical, CO2 or appropriate foam. |
| **Fire Fighting Methods and Protection:** | Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus. |
| **Fire and/or Explosion Hazards:** | Avoid Dusting. May become explosive when dispersed in air. |
| **Hazardous Combustion Products:** | Carbon dioxide, Carbon monoxide |

## Section 6 Spill or Leak Procedures

| | |
|---|---|
| **Steps to Take in Case Material Is Released or Spilled:** | No adverse health affects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this (M)SDS. Surfaces may become slippery after spillage. |

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

## Section 7 Handling and Storage

**Handling:** Avoid creating and inhaling dust.
**Storage:** Do not store in copper, iron or aluminum container or use on equipment containing these metals. Keep container tightly closed in a cool, well-ventilated place.
**Storage Code:** Red - Flammables. Store in approved flammable containers. Store away from oxidizing materials.

## Section 8 Protection Information

| | ACGIH | | OSHA PEL | |
|---|---|---|---|---|
| **Chemical Name** | **(TWA)** | **(STEL)** | **(TWA)** | **(STEL)** |
| Polyacrylamide | N/A | N/A | N/A | N/A |

**Control Parameters**
**Engineering Measures:** No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.
**Personal Protective Equipment (PPE):** Lab coat, apron, eye wash, safety shower.
**Respiratory Protection:**
**Respirator Type(s):** NIOSH approved air purifying respirator with dust/mist filter.
**Eye Protection:** Wear chemical splash goggles when handling this product. Have an eye wash station available.
**Skin Protection:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
**Gloves:** No information available

## Section 9 Physical Data

**Formula:** See Section 3
**Molecular Weight:** Variable
**Appearance:** White Solid
**Odor:** None
**Odor Threshold:** No data available
**pH:** No data available
**Melting Point:** No data available
**Boiling Point:** No data available
**Flash Point:** No data available
**Flammable Limits in Air:** No data available

**Vapor Pressure:** No data available
**Evaporation Rate (BuAc=1):** No data available
**Vapor Density (Air=1):** No data available
**Specific Gravity:** .65 - .85
**Solubility in Water:** Soluble
**Log Pow (calculated):** No data available
**Autoignition Temperature:** No data available
**Decomposition Temperature:** No data available
**Viscosity:** No data available
**Percent Volatile by Volume:** No data available

## Section 10 Reactivity Data

**Reactivity:** Not generally reactive under normal conditions.
**Chemical Stability:** Stable under normal conditions.
**Conditions to Avoid:** Dusting.
**Incompatible Materials:** Strong oxidizing agents
**Hazardous Decomposition Products:** Carbon oxides, Acrylamide, Ammonia
**Hazardous Polymerization:** Will not occur

## Section 11 Toxicity Data

**Routes of Entry** Inhalation and ingestion.
**Symptoms (Acute):** No data available
**Delayed Effects:** No data available

**Acute Toxicity:**

| Chemical Name | CAS Number | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|---|
| Polyacrylamide | 25085-02-3 | Not determined | Not determined | Not determined |

**Carcinogenicity:**

| Chemical Name | CAS Number | IARC | NTP | OSHA |
|---|---|---|---|---|
| Polyacrylamide | 25085-02-3 | Not listed | Not listed | Not listed |

**Chronic Effects:**

**Mutagenicity:** No evidence of a mutagenic effect.
**Teratogenicity:** No evidence of a teratogenic effect (birth defect).
**Sensitization:** No evidence of a sensitization effect.
**Reproductive:** No evidence of negative reproductive effects.
**Target Organ Effects:**
**Acute:** No information available
**Chronic:** No information available

## Section 12 Ecological Data

**Overview:** This material is not expected to be harmful to the ecology.
**Mobility:** No data
**Persistence:** No data
**Bioaccumulation:** No data
**Degradability:** No data
**Other Adverse Effects:** product may degrade into acrylamide, an environmentally hazardous substance.

| Chemical Name | CAS Number | Eco Toxicity |
|---|---|---|
| Polyacrylamide | 25085-02-3 | |

## Section 13 Disposal Information

**Disposal Methods:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.
**Waste Disposal Code(s):** Not Determined

## Section 14 Transport Information

**Ground - DOT Proper Shipping Name:**
Not regulated for transport by US DOT.

**Air - IATA Proper Shipping Name:**
Not regulated for air transport by IATA.

## Section 15 Regulatory Information

**TSCA Status:** All components in this product are on the TSCA Inventory.

| Chemical Name | CAS Number | § 313 Name | § 304 RQ | CERCLA RQ | § 302 TPQ | CAA 112(2) TQ |
|---|---|---|---|---|---|---|
| Polyacrylamide | 25085-02-3 | No | No | No | No | No |

**California Prop 65:**  N/A N/A

## Section 16 Additional Information

# Safety Data Sheet

**Revised: 08/21/2018** **Replaces: 06/15/2018** **Printed: 08-25-2018**

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

**Glossary**

| | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS | Chemical Abstract Service Number |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| DOT | U.S. Department of Transportation |
| IARC | International Agency for Research on Cancer |
| N/A | Not Available |
| NTP | National Toxicology Program |
| OSHA | Occupational Safety and Health Administration |
| PEL | Permissible Exposure Limit |
| ppm | Parts per million |
| RCRA | Resource Conservation and Recovery Act |
| SARA | Superfund Amendments and Reauthorization Act |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substances Control Act |
| IDLH | Immediately dangerous to life and health |