

SAFETY DATA SHEET

**Section 1: IDENTIFICATION**

|                                |  |
|--------------------------------|--|
| <b>Product Name:</b>           | ArkPAM A-1103  |
| <b>Synonyms:</b>               | None   |
| <b>Registration Number(s):</b> | Anionic Polyacrylamide   |
| <b>Other Information:</b>      | Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) |
| <b>Recommended Use:</b>        | Viscosifier  |
| <b>Restrictions on Use:</b>    | For oil field use only   |
| <b>Supplier:</b>               | Bri-Chem Supply Ltd.<br>27075 Acheson Road<br>Acheson, AB T7X 6B1            |
| <b>Phone Number:</b>           | 780-962-9490   |
| <b>Emergency Telephone:</b>    | CHEMTREC 1-800-424-9300 (Canada & USA -24 hours a day, 7 days a week)        |

**Section 2: HAZARD(S) IDENTIFICATION**

|                           |  |            |
|---------------------------|--|------------|
| <b>Classification:</b>    | Combustible Dust                                 | Category 1 |
| <b>Label Elements:</b>    | Warning  |            |
| <b>Hazard Statements:</b> | May form combustible dust concentrations in air. |            |
| <b>Other Information:</b> | Not applicable                                   |            |

**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

|                   |  |
|-------------------|--|
| <b>Substance:</b> | Not applicable   |
| <b>Mixture:</b>   | The product contains no substances which at their given concentration, are considered to be hazardous to health. |

**Section 4: FIRST-AID MEASURES**

|   |  |
|---|--|
| <b>Inhalation:</b>  | Remove to fresh air.   |
| <b>Eye Contact:</b>   | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| <b>Skin Contact:</b>  | Wash skin with soap and water.   |
| <b>Ingestion:</b>   | Rinse mouth  |
| <b>Most Important Symptoms/Effects, Acute and Delayed</b>                         |  |
| <b>Symptoms:</b>  | No information available   |
| <b>Indication of Any Immediate Medical Attention and Special Treatment Needed</b> |  |
| <b>Note to Physicians:</b>  | Treat symptomatically.   |

SAFETY DATA SHEET

**Section 5: FIRE-FIGHTING MEASURES**

|  |  |
|--|--|
| <b>Suitable Extinguishing Media:</b>                                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                            |
| <b>Large Fire:</b>   | CAUTION: Use of water spray when fighting fire may be inefficient.   |
| <b>Unsuitable Extinguishing Media:</b>                                 | Do not scatter spilled material with high pressure water streams.  |
| <b>Specific Hazards Arising from the Chemical:</b>                     | Avoid generation of dust. Dusts or fumes may form explosive mixtures in air.   |
| <b>Explosion Data</b>  |  |
| <b>Sensitivity to Mechanical Impact:</b>                               | None   |
| <b>Sensitivity to Static Discharge:</b>                                | None   |
| <b>Special Protective Equipment and Precautions for Fire-Fighters:</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment, and Emergency Procedures:**

**Personal Precautions** Ensure adequate ventilation.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment:** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up:** Use appropriate personal protective equipment (PPE). Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust.

**Section 7: HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Do not breathe dust.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place.

SAFETY DATA SHEET

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control Parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

**Appropriate Engineering Controls**

**Engineering Controls:** Showers  
Eyewash stations  
Ventilation systems

**Individual Protection Measures, Such as Personal Protective Equipment**

**Eye/Face Protection:** Wear safety glasses with side shields (or goggles).

**Hand Protection:** Protective gloves

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

**Physical State:** Solid

**Appearance:** Granular

**Colour:** White

**Odour:** Odorless

**Odour Threshold:** Not available

| Property | Values | Remarks – Method |
|----------|--------|------------------|
| pH       | 5 – 8  | (5% Solution)    |

**Melting Point / Freezing Point:** No data available

**Boiling Point / Boiling Range:** No data available

**Flash Point:** No data available

**Evaporation Rate:** No data available

SAFETY DATA SHEET

|  |                   |
|--|-------------------|
| <b>Flammability (Solid, Gas)</b>               | No data available |
| <b>Flammability Limit in Air</b>               |                   |
| <b>Upper Flammability or Explosive Limits:</b> | No data available |
| <b>Lower Flammability or Explosive Limits:</b> | No data available |
| <b>Vapor Pressure:</b>                         | No data available |
| <b>Relative Vapor Density:</b>                 | No data available |
| <b>Relative Density:</b>                       | 0.6 – 0.9         |
| <b>Water Solubility:</b>                       | Soluble in Water  |
| <b>Solubility in Other Solvents:</b>           | No data available |
| <b>Partition Coefficient:</b>                  | No data available |
| <b>Autoignition Temperature:</b>               | No data available |
| <b>Decomposition Temperature:</b>              | > 150 °C          |
| <b>Kinematic Viscosity:</b>                    | No data available |
| <b>Dynamic Viscosity:</b>                      | No data available |
| <b>Other Information</b>                       |                   |
| <b>Explosive Properties:</b>                   | No data available |
| <b>Oxidizing Properties:</b>                   | No data available |
| <b>VOC Content (%):</b>                        | No data available |

**Section 10: STABILITY AND REACTIVITY**

|  |                                       |
|--|---------------------------------------|
| <b>Reactivity:</b>                         | No information available.             |
| <b>Chemical Stability:</b>                 | Stable under normal conditions.       |
| <b>Possibility of Hazardous Reactions:</b> | None under normal processing.         |
| <b>Conditions to Avoid:</b>                | Dust formation                        |
| <b>Incompatible Materials:</b>             | Strong oxidizing agents.              |
| <b>Hazardous Decomposition Products:</b>   | Carbon oxides, Nitrogen oxides (NOx). |

**Section 11: TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Product Information**

**Inhalation:** Specific test data for the substance or mixture is not available.

SAFETY DATA SHEET

**Eye Contact:** Specific test data for the substance or mixture is not available.  
**Skin Contact:** Specific test data for the substance or mixture is not available.  
**Ingestion:** Specific test data for the substance or mixture is not available.

**Symptoms Related to the Physical, Chemical and Toxicological Characteristics**

**Symptoms:** None known

**Acute Toxicity**

**Numerical Measures of Toxicity:** No information available

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

**Skin Corrosion/Irritation:** Based on available data, the classification criteria are not met.

**Serious Eye Damage/Eye Irritation:** Based on available data, the classification criteria are not met.

**Respiratory or Skin Sensitization:** Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Reproductive Toxicity:** Based on available data, the classification criteria are not met.

**STOT – Single Exposure:** Based on available data, the classification criteria are not met.

**STOT – Repeated Exposure:** Based on available data, the classification criteria are not met.

**Aspiration Hazard:** Based on available data, the classification criteria are not met.

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** The environmental impact of this product has not been fully investigated.

**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal Methods**

**Waste from Residues/Unused Products:** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated Packaging:** Do not reuse empty containers

**Section 14: TRANSPORT INFORMATION**

**TDG:** Not regulated

**IATA:** Not regulated

SAFETY DATA SHEET

**Section 15: REGULATORY INFORMATION**

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

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer:** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants:** Not applicable

**The Rotterdam Convention:** Not applicable

**International Inventories**

**TSCA:** Complies

**DSL/NDSL:** Complies

**AICS:** Complies

**Legend:**

- TSCA** United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** Japan Existing and New Chemical Substances
- IECSC** China Inventory of Existing Chemical Substances
- KECL** Korean Existing and Evaluated Chemical Substances
- PICCS** Philippines Inventory of Chemicals and Chemical Substances
- AICS** Australian Inventory of Chemical Substances

**Section 16: OTHER INFORMATION**

**Health Hazards** 0      **Flammability** 0      **Instability** 0      **Special Hazards -**  
**Physical Hazards** 0      **Personal Protection** X

**Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet**

**Legend Section 8: Exposure Controls/Personal Protection**

**TWA** TWA (Time-weighted average)      **STEL** STEL (Short Term Exposure Limit)  
**Ceiling** Maximum Limit Value      \* Skin Designation

**SAFETY DATA SHEET**

**Disclaimer:**

The information contained herein is based on data available to us and is believed to be true and accurate. However, no guarantee or warranty is provided, expressed or implied, by the company or its subsidiaries regarding accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Since the use of this product is within the exclusive control of the user, we do not assume any responsibility and expressly disclaim any liability for any use of this product. It is the user's responsibility to determine the conditions of safe use, storage, and disposal of the product. Compliance with all applicable federal, provincial, and local regulations remains the responsibility of the user.

**Prepared by:** Bri-Chem Supply Ltd.

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