

## Material Safety Data Sheet



### 1. PRODUCT AND COMPANY INFORMATION

COMMERCIAL NAME: SuperAB A200

CHEMICAL NAME: 2-Propenoic acid, potassium salt, polymer with 2-propenamamide (crosslinked polyacrylamide)

COMPANY NAME: Iramont Inc.

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CANADA

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### 2. INGREDIENTS/ COMPOSITION INFORMATION

Copolymer of Acrylamide and Potassium Acrylate, Cross-linked (2-Propenoic Acid Potassium salt, Polymer with Propenamamide)	CAS #: 31212-13-2	% Wt ~ 100
Acrylamide	CAS #: 79-06-1	% Wt < 0.001 (<10 ppm)

Nonhazardous: All components are listed on Canadian DSL. This product does not contain any component considered to be health hazard under OSHA 29CFR1910.1200.

Registration No. XXXXXXXXX

### 3. HAZARDS IDENTIFICATION

NON-HAZARDOUS: Under OSHA 29CFR1910.1200

SKIN CONTACT: Prolonged or repeated contact may cause slight skin irritation.

EYE CONTACT: May cause eye irritation.

INHALATION: Non-hazardous, inert or nuisance dust unless the particle sizes are small enough to produce dust in which case protective dust masks should be employed.

INGESTION: No hazards anticipated from ingestion in single small dose. However, product should not be ingested.

CARCINOGENICITY: This product may contain very small amount (upto or < 0.001%/< 10 ppm) of leachable residual acrylamide that is recognized as a carcinogen or potential/suspected carcinogen.

#### 4. FIRST AID MEASURES

SKIN CONTACT:	Non-hazardous. If irritation occurs, rinse with plenty of water.
EYES:	Rinse immediately and thoroughly with plenty of water, also under the eyelids. If eye irritation occurs, consult a physician.
INHALATION:	Remove from area of dust exposure; seek medical attention if symptoms (coughing, difficulty breathing, shortness of breath, etc.) persist.
INGESTION:	If ingested in small amount, drink two glasses of water. The particles should exit the body after a normal cycle of digestion. If ingested in large amount, seek medical attention immediately.

#### 5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Water, foam, water spray, carbon dioxide, dry powder.
FIRE EXTINGUISHING AGENTS TO AVOID:	None.
SPECIAL FIRE FIGHTING PRECAUTIONS:	The product, when wet, renders surface <u>extremely slippery</u> . The product swells in water. The product in dry form could produce smoke when on fire. This smoke is an inhalation hazard and should be avoided.
FIRE FIGHTING INSTRUCTIONS:	Wear full protection clothing and breathing apparatus.
NFPA RATINGS:	Health: 1; Flamability: 0; Fire: 0; Reactivity: 0. Hazard Scale: 0=Minimum; 1=Caution/Slight; 2=Moderate; 3=Serious; 4=Danger.

#### 6. ACCIDENTAL RELEASE MEASURES AND SPILL CLEAN-UP PROCEDURES

PERSONAL PRECAUTION:	Wear protective mask and safety goggles to avoid dust. No special personal protective equipment required.
ENVIRONMENTAL PRECAUTION:	It is recommended to not dispose in water.
METHOD FOR CLEANING:	Clean up the dry product promptly by scooping, sweeping or vacuuming. Don't use water to clean up dry spills. Keep the waste in suitable and closed container for reuse or disposal as non-hazardous waste as per Section 12. Don't let the product enter the drain. After cleaning flush away traces with water.
CAUTION:	Wet product renders the surface extremely slippery. Keep traffic away from the area of spill. Evacuation is not required. Collect the wet material in proper containers for disposal or reuse.
HMIS RATINGS:	Health: 1; Fire: 0; Flamability: 0; Reactivity: 0; Physical Hazard: 0; Personal Protection: B. Hazard Scale: 0=Minimum; 1=Caution/Slight; 2=Moderate; 3=Serious; 4=Severe; *=Chronic.

#### 7. HANDLING AND STORAGE

HANDLING:	Avoid direct contact with skin and eyes. Avoid dust formation. Do not breathe dust and wear protective mask and closed safety glasses for prolonged handling. Wash hands after handling the product. Always practice good industrial hygiene.
STORAGE:	Store in well closed containers in a dry place. Make sure to close the container well

after each use.

## 8. EXPOSURE CONTROLS

- ENGINEERING MEASURE TO REDUCE EXPOSURES: Use adequate ventilation if dusting occurse. Natural ventilation is sufficient where there is no dusting.
- RESPIRATORY PROTECTION: Dust safety masks are recommended in the presence of dust for short and long periods of exposure and handling.
- EYE PROTECTION: Keep away from eyes. Closed safety glasses (goggles) are required if dusting is present.
- SKIN AND BODY PROTECTION: No special clothing is required. For prolong use protective gloves are recommended.
- HYGIENE MEASURE: Wash hands after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- FORM: Solid, irregular crystalline chunks/spikes/granules of different sizes
- COLOR: White/ translucent
- ODOR: None
- pH: 6-7 (1g/L in water)
- MELTING POINT: N/A
- FLASH POINT: N/A
- AUTO IGNITION TEMP: N/A
- VAPOR PRESSURE: N/A
- BULK DENSITY: 1.2 g/cm<sup>3</sup>
- PARTICLE SIZE: 1-5 mm
- WATER ABSORPTION CAPACITY: 200-500 g/g of Super AB A200
- WATER SOLUBILITY: Insoluble

## 10. STABILITY AND REACTIVITY

- CHEMICAL STABILITY: Product is stable under recommended storage conditions. No hazardous polymerization will occur.
- CONDITION TO AVOID: Avoid moisture. No other special precaution is required.
- MATERIAL TO AVOID: The product will swell in water. Incompatible with strong oxidizing agents.
- HAZARDOUS DECOMPOSITION PRODUCTS: None.

## 11. TOXICOLOGICAL INFORMATION: Practically non-toxic/relatively harmless

- SKIN IRRITATION: Non-irritating.
- EYES: Moderate eye irritation due to effect dust/ powders have on conjunctive.
- INHALATION: Non-toxic if ingested in small amounts. Ingestion in large amount can cause adverse effects.
- SENSITIZATION: Non-sensitizing.
- CARCINOGENICITY: Not listed as a carcinogen by OSHA, IARC, NTP.
- MUTAGENICITY: Non-mutagenic in mutagenecity tests.

## 12. ECOLOGICAL INFORMATION:

- ECOTOXICITY: The product is practically non-toxic (Class 1). (Toxicity classes: Smith and Hodge) per CCOHS (Canadian Center for Occupational Health and Safety) standards.
- ECOLOGICAL: Considered non-toxic to aquatic environment, fish, algae, daphnia. due to low solubility.
- BIOACCUMULATION: No, as per DSL.
- PERSISTENCE/DEGRADABILITY/BIODEGRADABILITY: The dry product is persistence and not readily degradable under aerobic or anaerobic conditions. However, the product, once in use will degrade slowly into natural and harmless elements within 5-7 year when correctly used.

Supporting Data from similar products is available showing it to be practically nontoxic.

### 13. DISPOSAL CONSIDERATION

- WASTE DISPOSAL: Waste may be disposed of by a licensed industrial waste disposal company as a non-hazardous waste material. Contaminated absorbent material may be disposed of in an approved landfills. Follow local, state and federal disposal regulations.

### 14. TRANSPORT INFORMATION:

Not classified as dangerous goods. Transport not regulated by Canadian Department of Transport, DOT USA, IATA, IMO.

### 15. OTHER REGULATORY INFORMATION:

All components are listed on Canadian DSL and USEPA TSCA inventories, and not federally regulated as a hazardous material by Canadian WHMIS and OSHA 29 CFR 1910.1200.

RCRA Status Non-hazardous waste.

The product may contain upto 0.001% / < 10 ppm of leachable residual acrylamide (CAS # 79-06-1) and the Environment Canada and CFIA recognize acrylamide as a carcinogen or suspected carcinogen.

### 16. OTHER INFORMATION

This 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 other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

### 17. MSDS History

New MSDS Dated June 2015.