

# SAFETY DATA SHEET



## SECTION 1: IDENTIFICATION

**Product Trade Name** **Becker Lumin'Ice Premium**  
**Product Class / Intended End Use** Commercial Coating **Catalog Number** 62.90100  
**Emergency Telephone Numbers** **For Emergency Transportation Information call 1 800-234-5522**  
**Supplier** Becker Arena Products, Inc.  
6611 West Highway 13 | Savage | MN | USA | 55378  
Tel: 952.890.2690  
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## SECTION 2: HAZARDS IDENTIFICATION

### GHS - Classification

Eye Damage/Irritation	2B
Skin Corrosion/Irritation	2
Carcinogenicity	1
Specific Target Organ Toxicity (Single Exposure) Respiratory Tract Irritation	3
Specific Target Organ Toxicity (Repeated Exposure)	1
<b>Signal Word:</b>	<b>Danger</b>

### GHS - Hazard Pictogram(s)



### GHS - Hazard Statement(s)

- Causes eye irritation.
- Causes skin irritation.
- May cause cancer.
- May cause respiratory tract irritation.
- Causes damage to organs through prolonged or repeated exposure.

### GHS - Precautionary Statement(s) – Prevention

- Wash hands and exposed skin surfaces thoroughly after handling.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Use only outdoors or in a well-ventilated area.
- Do not eat, drink or smoke when using this product.

**GHS - Precautionary Statement(s) – Response**

- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- **IF ON SKIN:** Wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice/attention.
- Take off contaminated clothing and wash it before reuse.
- If exposed or concerned: Get medical advice/attention.
- **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.
- Get medical advice/attention if you feel unwell.

**GHS - Precautionary Statement(s) – Storage**

- Store locked up.
- Store in a well-ventilated place.
- Keep container tightly closed.

**GHS - Precautionary Statement(s) – Disposal**

- Dispose of contents/ container to an approved waste disposal plant.

**Hazards not Otherwise Classified**

- None known.

**Supplemental information**

- If product is in liquid or paste form, hazards related to dust are not considered significant. Product may contain substances that could be potential hazards if caused to become airborne due to abrasive processing.

**SECTION 3: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS**

Component	CAS Number	EINECS Number	Weight %
Calcium Carbonate	1317-65-3	215-279-6	44.34
Titanium Dioxide	13463-67-7	236-675-5	10.99

**SECTION 4: FIRST-AID MEASURES****Eye Contact**

Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do so. Continue Rinsing. Get medical attention, if irritation or symptoms of overexposure persists.

**Skin Contact**

Wash off with soap & water. If irritation develops, seek medical attention.

**Inhalation**

If inhaled remove to fresh air. Avoid further overexposure. Consult a physician if a significant amount was inhaled. Call a physician if symptoms develop or persist.

**Ingestion**

Do not induce vomiting. Drink plenty of water. Consult a physician if effects occur.

**CALL A POISON CENTRE OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.**

**Most Important Symptoms and Effects (both acute and delayed):**

- Coughing. Prolonged exposure may cause chronic effects.

**Indication of any Immediate Medical Attention and Special Treatment Needed:**

- Treat symptomatically. Symptoms may be delayed.

**SECTION 5: FIRE-FIGHTING MEASURES**

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<b>Suitable Extinguishing Media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable Extinguishing Media</b>	Do not use a heavy water stream as it may spread and scatter the fire.
<b>Specific Hazards Arising from the Substance or Mixture</b>	Product itself does not burn, it is inert, nonflammable, and non-combustible.
<b>Special Protective Equipment and Precautions for Fire Fighters</b>	Use full protective apparel and self-contained breathing apparatus. Evacuate area of unprotected personnel. Use firefighting techniques suitable for surrounding area. Use water spray to cool unopened containers.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Avoid generation of dust. Use adequate ventilation. Use proper protective equipment. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Local authorities should be advised if significant spillages cannot be contained.
<b>Environmental Precautions</b>	Prevent runoff into drains, sewers, and other waterways or onto the ground.
<b>Methods and Materials for Containment and Clean Up</b>	Stop the flow of material, if this is without risk. Following product recovery, flush area with water. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS. For waste disposal, see section 13 of the SDS.

**SECTION 7: HANDLING AND STORAGE**

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<b>Precautions for Safe Handling</b>	Obtain special precautions before use. Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. When using, do not eat, drink or smoke. Avoid prolonged exposure. Should be handled in closed systems, if possible. Keep out of reach of children. For industrial use only. Avoid dust generation. Use adequate ventilation. Use suitable protective equipment.
<b>Conditions for Safe Storage</b>	Store locked up. Store in original tightly closed container. Keep in a cool, dry area.
<b>Incompatibles</b>	Acids. Fluorine.

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

Component	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
Calcium Carbonate	10 mg/m <sup>3</sup>	DNA	DNA	DNA
Titanium Dioxide	10 mg/m <sup>3</sup>	DNA	15 mg/m <sup>3</sup>	DNA

*DNA = Data not Available NA = Not Applicable NE = Not Estimated NR = Not Required PI = Proprietary Information*

**Appropriate Engineering Controls**

Use local exhaust if general ventilation is inadequate. Supply safety shower and eyewash station near handling area.

**Personal Protective Equipment****Eye Protection**

Use suitable CSA approved safety glasses with side shields, goggles or face shield as indicated by conditions of exposure.

**Hand/Skin Protection**

Use suitable protective apparel and impervious rubber gloves such as nitrile or neoprene to reduce skin exposure.

**Respiratory Protection**

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapour cartridge and dust/mist filter.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

**Other**

Use of an impervious apron is recommended.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Autoignition Temperature	DNA	Partition Coefficient	DNA
Boiling Point	NA	pH	NA
Colour	White	Physical State	Powder
Decomposition Temperature	DNA	Relative Evaporation Rate (Butylacetate=1)	DNA
Explosion Limit	DNA	Solubility in Water	Slightly Soluble
Flammability (solid, gas)	Non Flammable	Specific Gravity	2.42
Flash Point (Cleveland Closed Cup)	NA	Vapour Density	NA
Freezing Point/Melting Point	NA	Vapour Pressure	DNA
Odour Threshold	DNA	Viscosity	NA
Odour	NA	% Volatiles by Weight	0

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**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	The product is stable if stored and handled as prescribed/indicated.
<b>Chemical Stability</b>	Stable at normal condition of usage.
<b>Possibility of Hazardous Reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid</b>	Contact with incompatible materials.
<b>Incompatible Materials</b>	Acids. Fluorine.
<b>Hazardous Decomposition Products</b>	No hazardous decomposition products are known.

**SECTION 11: TOXICOLOGICAL INFORMATION****Acute Toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Calcium Carbonate	DNA	DNA	DNA
Titanium Dioxide	>1000 mg/kg (Rat)	>1000 mg/kg (Rabbit)	>6.8 mg/L (Rat, 4h)
<i>DNA = Data not Available NA = Not Applicable NE = Not Estimated NR = Not Required PI = Proprietary Information</i>			

<b>Likely Routes of Exposure</b>	Inhalation.
<b>Symptoms/Injuries after Eye Contact</b>	May cause irritation, tearing and redness with contact.
<b>Symptoms/Injuries after Skin Contact</b>	May cause skin irritation. Prolonged use may cause irritation.
<b>Symptoms/Injuries after Inhalation</b>	Inhalation of high concentration of respirable particles may cause coughing. Prolonged inhalation may be harmful.
<b>Symptoms/Injuries after Ingestion</b>	May cause gastrointestinal irritation. Coughing.
<b>Specific Target Organ Toxicity</b>	Single Exposure: Respiratory tract irritation. Repeated Exposure: Causes damage to organs through prolonged or repeated exposure.
<b>Carcinogenicity</b>	Titanium dioxide is classified as group 2B, possibly carcinogenic to humans according to the IARC.
<b>Symptoms/Effects, Both Acute and Delayed</b>	Data not available.
<b>Chronic Effects</b>	Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**SECTION 12: ECOLOGICAL INFORMATION**

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<b>Ecotoxicity</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>VOC (grams/litre)</b>	0
<b>Persistence and Degradability</b>	No test data on mixture.
<b>Bio-accumulative Potential</b>	No test data on mixture.
<b>Mobility in Soil</b>	No test data on mixture.
<b>Other Adverse Environmental Effects</b>	None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

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<b>Handling for Disposal</b>	Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.
<b>Methods of Disposal</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>RCRA</b>	If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies. <b><i>DO NOT INCINERATE CLOSED CONTAINERS</i></b>

**SECTION 14: TRANSPORT INFORMATION**

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<b>UN Number</b>	NR
<b>UN Proper Shipping Name</b>	NR
<b>Transport Hazard Class</b>	NR
<b>Packing Group</b>	NR
<b>Environmental Hazards</b>	Not applicable.
<b>Special Precautions for User</b>	Appropriate advice on safety should accompany the package.

**SECTION 15: REGULATORY INFORMATION**

<b>Canada</b>	All components are in compliance with the Canadian environmental protection act and are present on the domestic substances list. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.
<b>USA</b>	SARA TITLE III: Sec. 311 and 312 SDS Requirements, 40 CFR 370 Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

**SECTION 16: OTHER INFORMATION**

<b>HMIS:</b>	Health 2	Flammability 0	Physical hazard 0
<b>NFPA:</b>	Health 2	Flammability 0	Instability 0

**DISCLAIMER**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text. This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of **Becker Arena Products Ltd.**

**Legend to abbreviations and Acronyms Used in the SDS**

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists	<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>BCF</b>	Bioconcentration Factor	<b>OSHA</b>	Occupational Safety and Health Administration
<b>CAS</b>	Chemical Abstract Services	<b>PEL</b>	Permissible Exposure Limit
<b>CERCLA</b>	Comprehensive Environmental Response, Compensation, and Liability Act	<b>PPM</b>	Parts Per Million
<b>CPR</b>	Controlled Products Regulation	<b>RCRA</b>	Resource Conservation and Recovery Act
<b>DNA</b>	Data not Available	<b>SARA</b>	Species at Risk Act
<b>HMIS</b>	Hazardous Materials Identification System	<b>STEL</b>	Short Term Exposure Limit
<b>LC</b>	Lethal Concentration	<b>STOT</b>	Specific Target Organ Toxicity
<b>LD</b>	Lethal Dose	<b>TDG</b>	Transportation of Dangerous Good
<b>N/A</b>	Not Applicable	<b>TSCA</b>	Toxic Substances Control Act
<b>N/D</b>	Not Determined	<b>TWA</b>	Time Weighted Average
<b>NFPA</b>	National Fire Protection Association		

**END OF SAFETY DATA SHEET**