



## Safety Data Sheet

Issue Date: 11-25-19

Rev 0

# Ice-Tite 622B

Formulated Starch/Resin

**APPLIED Products, Inc.**

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**Emergency Telephone Chemtrec: 800.424.9300**

**Tradename/Formula: Ice-Tite 622B**

**Compound Type: Formulated Starch/Resin**

## 2. HAZARDS IDENTIFICATION

**Physical Hazards:** Not Classified

**Health Hazard:** H317 May cause an allergic skin reaction.

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Respiratory Sensitization Category 1

Skin Sensitization Category 1



**Signal Word - Danger**

**Hazard-determining components of labeling:**

Methyl Chloro Isothiazolinone 26172-55-4

ammonium hydroxide 1336-21-6

**Precautionary Statements:**

P261 - Avoid breathing mist, vapors

P264 - Wash hands, forearms and face thoroughly after handling

P272 - Contaminated work clothing must not be allowed out of the workplace P280 - Wear eye protection, protective clothing, protective gloves

P284 - (In case of inadequate ventilation) wear respiratory protection P302+P352 - If on skin:

Wash with plenty of soap and water

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P321 - Specific treatment (see first aid instructions on this label) P333+P313 - If skin irritation

or rash occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get



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medical advice/attention

P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER, a doctor P362+P364 - Take off contaminated clothing and wash it before reuse

H412 Harmful to aquatic life with long lasting effects.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Environmental Hazards:** Not Classified.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### Hazardous Components

COMPONENT	CAS Number	WT.%
Methyl Chloro Isothiazolinone	26172-55-4	≤0.003%
ammonium hydroxide	1336-21-6	≤0.5%
diethylene glycol ethyl ether	111-90-0	≤0.5%
urea	57-13-6	≤5.0%

#### Non Hazardous Components

COMPONENT	CAS NUMBER	WT.%
starch/resin formulation	proprietary	60-90%

*\*Specific chemical identity and/or exact percentage of composition is being withheld as a trade secret.*

### 4. FIRST AID MEASURES

**Skin Contact:** First aid not normally required. Remove contaminated clothing. Wash area of contact with soap and water. Flush skin with plenty of water for at least 15 minutes. Wash clothing before reuse. Get medical attention if irritation occurs and persists.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes occasionally lifting both upper and lower eyelids. Remove contact lenses if present and easy to do. Continue rinsing. If symptom persists, consult a doctor.

**Inhalation:** Remove affected person from source of exposure. Get medical attention if breathing difficulty or discomfort persists.

**Ingestion:** Do not induce vomiting because of danger of aspiration into lungs. If conscious, give a glass of water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, monitor for breathing difficulty. Get medical attention.

#### Most important symptoms and effects, both acute and delayed:

Allergic reactions Inflammation, skin redness, allergies, and/or dermatitis

### 5. FIRE FIGHTING MEASURES

**Basic Firefighting Procedures:** Use water spray, dry chemical, foam or CO2 as applicable for burning materials. Use a water spray to cool fire-exposed containers, structures and to protect personnel. Exposed firefighters should wear MSHA/NIOSH approved self-contained breathing apparatus with full-face mask and full protective equipment. Flush spills away from sources of ignition. Cool closed containers exposed to fire with water spray.



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**Unusual Fire and Explosion Hazards:** Not applicable. This product is an aqueous mixture that will not burn. Dried product film will burn in a fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Refer to Section 8: Exposure Control and Personal Protection**

**Emergency Action:** For large spills, isolate the release area and keep unnecessary people away. Exercise caution regarding personnel safety and exposure. Refer to protective measures listed in sections 7 and 8.

**Spill/Leak Procedure:** Floor and surfaces may be slippery. Dike with sand or other material. Flush area with water provided runoff does not enter drain or sewer; use absorbent material (e.g. vermiculite, sand and earth) and dispose of properly in a suitable container.

**Notification:** Any spill or release to navigable water that causes a visible sheen upon the water must be reported immediately to the National Response Center (800/424-8802), as required by U.S. federal law.

## 7. HANDLING and STORAGE

**Refer to Section 8: Exposure Control and Personal Protection**

**Advice on safe handling:** Wear proper protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Do not ingest. For intended use only. Use good hygiene practices when handling product, including changing and laundering work clothes after use. Get medical attention if you are exposed and feel unwell. Empty containers may contain residue or vapors. Do not cut, grind, drill, weld or reuse containers. Do not eat, drink, or smoke while using this product.

**Conditions for safe storage:** Keep container closed when not in use. Keep in a dry, cool place.

**Materials to avoid:** Do not freeze. No special restrictions on storage with other products.

**Storage temperature:**  $\geq 40$  °F

**Storage:** Do not store near incompatible chemicals. When possible, store in a dry place at moderate temperatures (above freezing) away from heat and flames. This material is to be handled and applied according to label directions. Keep this product and all chemicals away from children and pets. Keep containers closed when not in use. Keep from freezing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ammonium hydroxide CAS No. 1336-21-6 Vapor	ACGIH TWA: 25 ppm ACGIH STEL: 35 ppm	OSHA PEL (TWA): 35 mg/m <sup>3</sup> , 8 hours OSHA PEL (TWA): 50 ppm, 8 hours	NA

Components	CAS No.	Value/type (Form of exposure)	Control parameters / Permissible concentration	Basis



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2-(2-ethoxyethoxy)ethanol (diethylene glycol ethyl ether)	111-90-0	TWA	25 ppm	USA. Workplace Environmental Exposure Levels (WEEL)
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**Exposure Controls:** None established for this mixture.

**Engineering Controls:** Use appropriate ventilation.

**Eye and Face Protection:** Wear safety glasses; use face shield if splashing is possible.

**Skin Protection:** Oil and chemical resistant, nitrile, gloves should be used to avoid repeated contact.

**Respiratory Protection:** Not normally needed. A NIOSH or MSHA approved respirator should be used in areas with high vapor concentrations or misting.

## 9. PHYSICAL and CHEMICAL PROPERTIES

<b>Appearance/Physical State,</b>	Liquid, Off-White	<b>Upper/Lower Flammability or</b>	N/A
<b>Color</b>		<b>Explosive Limits</b>	
<b>Odor</b>	Slight resin odor	<b>Vapor Pressure</b>	N/A
<b>Odor Threshold</b>	N/A	<b>Vapor Density</b>	N/A
<b>pH</b>	8 -10	<b>Relative Density</b>	1.199
<b>Melting Point/Freezing Point</b>	N/A	<b>Solubility(ies)</b>	Miscible
<b>Initial Boiling Point and Boiling</b>	210 °F	<b>Partition Coefficient: n-octanol/water</b>	N/A
<b>Range</b>			
<b>Flash Point</b>	> 212 °F	<b>Auto-ignition Temperature</b>	N/A
<b>Evaporation Rate</b>	1	<b>Decomposition Temperature</b>	N/A
<b>Flammability (solid, gas)</b>	N/A	<b>Viscosity</b>	52,500 cps @77°F
<b>VOC</b>	Contact supplier for further information	<b>Percent Volatile</b>	Approx. 44%

*Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Those should be requested separately.*

## 10. STABILITY AND REACTIVITY

**Reactivity:** Does not react under normal conditions of use.

**Chemical Stability:** Stable under normal conditions of use.

**Stability/Incompatibility:** Avoid contact with strong oxidizers.

**Conditions to Avoid:** None known.

**Hazardous Reactions/Decomposition Products:** Does not decompose under normal conditions; may produce metal oxides, CO, CO<sub>2</sub>, volatile hydrocarbons and other possibly toxic gases in fire.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eyes, Skin and Ingestion

**Acute toxicity:** Product has not been tested.

**Components:**

ammonium hydroxide (1336-21-6)
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LD50 oral rat	350 mg/kg
LC50 inhalation rat (mg/l)	5.1 mg/l 1 h
LC50 inhalation rat (ppm)	2000 ppm/4h
<b>2-(2-ethoxyethoxy)ethanol (diethylene glycol ethyl ether) (111-90-0)</b>	
LD50 oral rat	10,502 mg/kg
LC50 inhalation rat	>200 mg/l
LD50 dermal rabbit	9,143 mg/kg
<b>Urea (57-13-6)</b>	
LD50 oral rat	14,300 mg/kg

**Skin corrosion/irritation:** Product has not been tested.

**Serious eye damage/eye irritation:** Finished Product not classified based on available data.

**Respiratory or skin sensitization:** May cause an allergic skin reaction. Once Sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Contributing component:** Biocide/fungicide (CAS No 26172-55-4)

**Germ Cell Mutagenicity:** Not classified based on available data.

**Carcinogenicity:** Product not classified based on available data.

**Reproductive Toxicity:** Product not classified based on available data.

**Specific Target Organ Toxicity - Single Exposure (STOT SE):** Product not classified based on available data.

**Specific Target Organ Toxicity - Repeated Exposure (STOT RE):** Not classified based on available data.

**Aspiration Hazard:** Not classified due to lack of data. Based on physical properties, not likely to be an aspiration hazard.

**Primary irritant effect:**

**On the skin:** No data for product.

**On the eye:** No data for product.

**Sensitization:** Sensitization possible through skin contact due to component listed above.

**Additional toxicological information:**

**Components:**

**Carcinogenic categories ·**

**IARC:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Product has not been tested.

**Components:**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
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Methyl Chloro Isothiazolinone 26172-55-4	0.03 - 0.13: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 0.11 - 0.16: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.31: 120 h Anabaena flos-aquae mg/L EC50	1.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	0.12 - 0.3: 48 h Daphnia magna mg/L EC50 Flow through 0.71 - 0.99: 48 h Daphnia magna mg/L EC50 Static 4.71: 48 h Daphnia magna mg/L EC50
2-(2-ethoxyethoxy) ethanol (diethylene glycol ethyl ether) 111-90-0		9,650 mg/l - 96 h Pimephales promelas (fathead minnow) LC50	3,340 mg/l - 48 h Daphnia magna (Water flea) LC50
Urea 57-13-6	47 mg, Acute, fresh water, 192 h, Heterosigma akashiwo	6,810 mg/l, fresh water, 96 h, Labeo boga, LC50	10,000 gm/l, fresh water, 24 h, Daphnia magna, EC50

**Persistence and Biodegradability:** Not Determined

**Bioaccumulative Potential:** Not Determined

**Mobility in Soil:** Not Determined

### 13. DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

### 14. TRANSPORTATION INFORMATION

**Special precautions for user:** Not applicable

**DOT:** Not Regulated as a dangerous good

**UNRTDG:** Not regulated as a dangerous good

**IATA-DGR:** Not regulated as a dangerous good

**IMDG-Code:** Not regulated as a dangerous good

### 15. REGULATORY INFORMATION

**Chemical Inventory Lists:**

**TSCA:** All ingredients are listed (or are exempt from listing)

**SARA Title III, Section 313 (40 CFR 372.65):** Specific toxic chemical listings:

ammonium hydroxide	1336-21-6
diethylene glycol ethyl ether	111-90-0



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**SARA (311/312) Reportable Hazard Categories:** Chronic and Acute health hazard

**CERCLA RQ**

ammonium hydroxide      1336-21-6      1000 lb.

**HAPS (Hazardous Air Pollutants):** Please contact supplier for more information.

**California Prop. 65:**



**WARNING:** This product can expose you to chemicals including Diethanolamine, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Please contact supplier for more information.

### 16. OTHER INFORMATION

**SDS Issue Date:** 11-22-19

HMIS® Hazard Ratings

Health: 1    Fire Hazard: 0    Reactivity: 0

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Applied Products from its suppliers, and because Applied Products has no control over the conditions of handling and use, Applied Products makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information and product are supplied solely for your information and discretionary use, Applied Products assumes no responsibility for reliance or use thereon. It is the responsibility of the user of the product to comply with all applicable federal, state and local laws and regulations.