



Safety Data Sheet

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Rev 0

BA383B

Formulated Resin Solution

APPLIED Products, Inc.

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Tradename/Formula: BA383B

Compound Type: Formulated Resin Solution

2. HAZARDS IDENTIFICATION

Physical Hazards: Not Classified

Health Hazard: H315 - Causes skin irritation

H319 - Causes serious eye irritation

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

Respiratory Irritation Category 1

Skin Irritation Category 1



Signal Word - Warning

Hazard-determining components of labeling:

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

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P337+P313 - If eye

irritation persists: Get 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.



Safety Data Sheet

BA383B

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.%
ammonium hydroxide	1336-21-6	≤3.0%
diethylene glycol ethyl ether	111-90-0	≤0.5%

Non Hazardous Components

COMPONENT	CAS NUMBER	WT.%
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:

Skin 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.

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.



Safety Data Sheet

BA383B

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: ≥ 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 - Components

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 ³ , 8 hours OSHA PEL (TWA): 50 ppm, 8 hours	NA

Components	CAS No.	Value/type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-(2-ethoxyethoxy)ethanol (diethylene glycol ethyl ether)	111-90-0	TWA	25 ppm	USA. Workplace Environmental Exposure Levels (WEEL)

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.



Safety Data Sheet

BA383B

9. PHYSICAL and CHEMICAL PROPERTIES

Appearance/Physical State,	Liquid	Upper/Lower Flammability or	N/A
Color	Pale yellow	Explosive Limits	
Odor	Ammoniacal	Vapor Pressure	N/A
Odor Threshold	N/A	Vapor Density	N/A
pH	8 - 9.5	Relative Density	Approx. 1.06
Melting Point/Freezing Point	N/A	Solubility(ies)	Miscible
Initial Boiling Point and Boiling Range	210 °F	Partition Coefficient: n-octanol/water	N/A
Flash Point	> 212 °F	Auto-ignition Temperature	N/A
Evaporation Rate	1	Decomposition Temperature	N/A
Flammability (solid, gas)	N/A	Viscosity	120 cps @77°F
VOC	Contact supplier for further information	Percent Volatile	Approx. 30%

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, CO₂, 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)	
LD50 oral rat	350 mg/kg
LC50 inhalation rat (mg/l)	5.1 mg/l 1 h
LC50 inhalation rat (ppm)	2000 ppm/4h
2-(2-ethoxyethoxy)ethanol (diethylene glycol ethyl ether) (111-90-0)	
LD50 oral rat	10,502 mg/kg
LC50 inhalation rat	>200 mg/l
LD50 dermal rabbit	9,143 mg/kg

Skin corrosion/irritation: Product has not been tested.

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



Safety Data Sheet

BA383B

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: No data for product.

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.

Symptoms: May include redness, drying, cracking of the skin, gastrointestinal and respiratory discomfort. Refer to Sections 2 and 4 for recommended actions.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Product has not been tested.

Components:

Chemical Name	Algae/aquatic plants	Fish	Crustacea
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

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,



Safety Data Sheet

BA383B

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
2-(2-ethoxyethoxy)ethanol (diethylene glycol ethyl ether)	111-90-0

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

CERCLA RQ

ammonium hydroxide	1336-21-6	1000 lb.
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HAPS (Hazardous Air Pollutants): Please contact supplier for more information.

California Prop. 65: Please contact supplier for more information.

16. OTHER INFORMATION

SDS Issue Date: 12-19-19

HMIS® Hazard Ratings

Health: 1 Fire Hazard: 0 Reactivity: 0

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