

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT IDENTIFICATION

**Product: AF-195 Non-Skid Coating**

Product Code: AF-195

MSDS Date: 06-01-04

## 2. COMPANY IDENTIFICATION

**Acrymax Technologies Inc.**

221 Brooke Street

Media, PA 19063

Emergency Phone # 610-566-7473

Information Phone # 800-553-0523

## 3. INGREDIENTS

#	Ingredient	CAS Reg. #	Weight (%)	Vapor Pressure mm Hg @ Temp	Occupational Exposure Limits
1	Mica	12001-26-2	8 - 12	NA	ACGIH 3 mg/m <sup>3</sup> Respirable Dust
2	Propylene Glycol	57-55-6	3 - 7	1.00 @ 77°F	None established
3*	Butyl Cellosolve	111-76-2	3 - 7	.88 @ 77°F	ACGIH TLV 25 ppm TWA (Skin)
4	Diacetone Alcohol	123-42-2	3 - 7	.95 @ 68°F	ACGIH TLV/TWA 50 ppm
5	Aqua Ammonia	7664-41-7	0 - 5	720.00 @ 80°F	ACGIH TWA 25 ppm
6	Petroleum Based Defoamer	Proprietary	0 - 5	NA	TWA 5 mg/m <sup>3</sup>
7	Hydroxyethylcellulose	9004-62-0	0 - 5	NA	None established
8	Poly (oxy-1,2-ethanediyl), alpha-(4-nonylphenyl) - omegahydroxy-, branched (nonoxynol-10) surfactant	127087-87-0	0 - 5	.01 @ 68°F	None established
9	Bicyclic Oxazolidines Solution	NA	0 - 5	23.00 @ 77°F	None established
10	Silicon Dioxide	14808-60-7	0 - 5	NA	OSHA PEL 10 mg/m <sup>3</sup>
11	Amorphous Mineral Silicate	93763-70-3	0 - 5	NA	ACGIH 5 mg/m <sup>3</sup> Respirable Dust

\*Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and 40 CFR 372.

Proposition 65 Statement: Certain raw materials used in making this product may contain small amounts of materials as impurities which are regulated by Propostion 65.

## 4. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Semi viscous liquid
State	Liquid
Odor Characteristic	Mild ammonia odor
Vapor Density (Air = 1)	Heavier than air
Vapor Pressure	No data
Specific Gravity (H <sub>2</sub> O = 1)	1.08
Boiling Point	250°F
Solubility in Water	Soluble
VOC (Calculation minus water)	2.00 lbs. per gallon, 238 grams/liter
Evaporation Rate	Slower than ether

The physical and chemical data given in Section 4 are typical values for this product and are not intended to be product specifications.

## 5. FIRE AND EXPLOSION HAZARD DATA

Flash Point	140 - 200 <sup>o</sup> TCC
Flammable Limits in Air by Volume	Lower: 1.000 Upper: 25.000

**Extinguishing agents:** Foam, CO<sub>2</sub>, Dry Chemical

**Personal Protective Equipment:** As in any fire, wear self-contained breathing apparatus (pressure-demand, NIOSH approved or equivalent) and full protective gear.

**Unusual Fire and Explosion Hazards:** Pressure may build up in tightly closed containers exposed to fire which may result in rupture. Keep containers cooled with water spray. Vapors may travel a considerable distance to a source of ignition or may collect in a low area. Sources of ignition include pilot lights, electrical motors, cigarettes, etc.

## 6. REACTIVITY DATA

**Instability:** This material is considered stable. However, avoid exposure to excessive heat.

**Hazardous Decomposition Products:** There are no known hazardous decomposition products for this material.

**Hazardous Polymerization:** Product will not undergo hazardous polymerization.

**Incompatibility:** Avoid contact with the following: Alkaline materials, strong acids and oxidizing materials

## 7. HEALTH HAZARD DATA

**Primary Routes of Exposure:** Inhalation - Skin Contact - Eye Contact

**Inhalation** - Inhalation of vapor or mist can cause the following: -severe irritation of nose, throat and lungs – chest pain – coughing

**Eye Contact** - Material can cause the following: -slightly irritating to the eyes

**Skin Contact** - Prolonged or repeated skin contact can cause the following: -moderate skin irritation – reddening

**Ingestion** - Material is harmful if swallowed. Material can cause the following: -gastrointestinal irritation – nausea – vomiting – diarrhea

**Medical Conditions Generally Aggravated by Exposure** - High vapor concentrations (greater than approximately 1000 ppm) are irritating to the eyes and the respiratory tract, may cause headache and dizziness, are anesthetic, and may have other central nervous system effects.

## 8. FIRST AID MEASURES

**Inhalation** - Move subject to fresh air. If breathing is difficult, give oxygen. Give artificial respiration if breathing has stopped. Get medical attention immediately.

**Eye Contact** - Immediately flush eyes with a large amount of water for at least 15 minutes. If redness, itching or a burning sensation develops, see a physician.

**Skin Contact** - Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse. If redness, itching or a burning sensation develops, see a physician.

**Ingestion** - DO NOT induce vomiting. Give milk or water to drink. Get medical attention immediately. If vomiting occurs spontaneously, keep airway clear.

**Note to Physician** - No specific antidote, treat symptomatically.

## 9. ACCIDENTAL RELEASE MEASURES

### Personal Protection

Wear compatible, chemically resistant gloves. Wear protective clothing including splash proof goggles and rubber overshoes.

**Procedures:** Contain spills immediately with inert materials (e.g. sand, earth). If material is spilled in a confined area ventilate the area well. Keep spectators away. Floor may be slippery; use care to avoid falling. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

## 10. HANDLING & STORAGE

**Storage Conditions:** Avoid temperature extremes during storage; ambient temperature preferred. Store in well-ventilated area. Keep container tightly closed when not in use.

**Handling Procedures:** Use in well-ventilated areas. Keep containers closed when not in use. Keep away from excessive heat and open flames. Do not work alone! Keep out of reach of children!

**Other:** Improper disposal or re-use of this container may be dangerous and illegal. Refer to applicable local, state and federal regulations.

## 11. EXPOSURE CONTROLS – PERSONAL PROTECTION

**Respiratory Protection:** A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required under normal operation conditions. Where vapor or mists may occur, wear a MSHA/NIOSH approved (or equivalent) half-mask air-purifying respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and N-95 filters. If oil mist is present. Use R95 or P95 filters.

**Eye Protection:** Use chemical splash goggles or face shield (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed.

**Hand Protection:** Chemical-resistant gloves -Neoprene - Butyl rubber - should be worn whenever this material is handled. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water.

**Other protection:** Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

**Engineering Controls (Ventilation):** Use local exhaust ventilation with a minimum capture velocity of 100ft/min. (.5 m/sec.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

**Other Protective Equipment:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Work – Hygienic Practices:** Remove contaminated clothing; launder or dry clean before reuse. Wash thoroughly with soap and water.

## 12. DISPOSAL CONSIDERATIONS

**Procedure:** Dispose of in accordance with all local, state, and federal regulations. Do not wash into sewers.

## 13. TRANSPORT INFORMATION

US DOT Class	Paint, Not regulated
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## 14. OTHER INFORMATION

Category	HMIS – AF-195	Scale
Toxicity	2	4=Extreme
Fire	0	3=High
Reactivity	0	2=Moderate
Special	-	1=Slight
		0=Insignificant

Prepared by: Acrymax Technologies Inc. – Technical Department

The information contained herein relates only to the specific material identified. Acrymax Technologies Inc. believes that such information is accurate and reliable as of the date of this Material Safety Data Sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Since conditions of use are out of our control, users assume all risks associated with the use of the material and are advised to confirm in advance that the information contained in this MSDS is correct, applicable, and suitable to their circumstances. As these are proprietary formulations, the actual percentages of ingredients have been omitted pursuant to OSHA Federal Hazard Communication Standard.