

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product: SUN-1
MSDS Date: 09-01-10

2. COMPANY IDENTIFICATION

Acrymax Technologies Inc.
221 Brooke Street
Media, PA 19063
www.acrymax.com
Emergency Phone # 610-566-7473 or 610-357-4355
Information Phone # 800-553-0523

3. INGREDIENTS

#	Ingredient	CAS Reg. #	Weight (%)
1	Organic additive	Trade Secret	1 – 3
2	Water	7732-18-5	91 - 98

4. PHYSICAL AND CHEMICAL PROPERTIES

Color	Blue
State	Liquid
Odor Characteristic	Mild odor
pH	6 – 8
Vapor Density (Air = 1)	1.0 Water
Vapor Pressure	No data
Melting Point	0 ⁰ C/32 ⁰ F Water
Boiling Point	100 ⁰ C/212 ⁰ F Water
Solubility in Water	Dilutable
Percent volatility	97 – 99% water
Evaporation Rate (Butyl Alcohol =1)	< 1 Water

5. FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non flammable

Extinguishing agents: Use extinguishing media appropriate for surrounding fire.

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: Closed containers may rupture via pressure build-up when exposed to fire or extreme heat. During a fire, irritating and highly toxic gases and/or fumes may be generated during combustion or decomposition.

Other Information: Move containers promptly out of fire zone. If removal is impossible keep containers cooled with water spray. Material can spatter above 100⁰C/212⁰F. Remain upwind. Avoid breathing smoke.

6. REACTIVITY DATA

Instability: Material is considered stable.

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 strong oxidizing agents, strong acids, and strong bases.

7. HEALTH HAZARD DATA

This product contains a material that may cause adverse reproductive effects. May be harmful if swallowed.

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

Inhalation - Inhalation of vapor or mist can cause the following: irritation of nose, throat and lungs, headache, difficulty in breathing, pulmonary edema (fluid in lung tissue and air spaces), possible death.

Eye Contact - Material can cause the following: irritation, possible corneal injury.

Skin Contact - Prolonged or repeated skin contact can cause the following: slight irritation.

Ingestion - Material can cause the following: gastrointestinal irritation, nausea, vomiting, diarrhea, vomiting, blood disorders.

Chronic Exposure: Prolonged or repeated overexposure can cause the following: Causes adverse reproductive 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. Drink 1 or 2 glasses of water. Consult physician if necessary. If vomiting occurs spontaneously, keep airway clear. Never give anything by mouth to an unconscious person.

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. If exposed to material during clean-up operations see Section 8 for actions to follow.

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. Material can create slippery conditions; 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. Do not discharge cleaning runoffs directly to 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. Keep from freezing – product stability may be affected. Store material out of direct sun.

Handling Procedures: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not breathe vapors, mist, or gas. Use in well-ventilated areas. Keep containers closed when not in use. Stir well before use. Do not work alone! Keep out of reach of children!

Other: Improper disposal or re-use of product containers 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. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and N95 filters. If oil mist is present use R95 or P95 filters.

Eye Protection: Use safety glasses, chemical splash goggles, or face shield. (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed. Facilities storing or utilizing this material should be equipped with an eyewash facility.

Hand Protection: Chemical-resistant gloves should be worn whenever this material is handled. Nitrile rubber gloves are suitable for use with this material. 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.

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

12. TOXICOLOGICAL INFORMATION

Component: Organic additive Acute oral toxicity: LD50 rat 1,180 mg/kg

13. DISPOSAL CONSIDERATIONS

Procedure: Dispose of in accordance with local, state and federal regulations. To be certain that chemical waste disposal meets EPA regulatory requirements, address any questions to the RCRA (800) 424-9346. In addition, relevant State and local authorities should be contacted for information on any requirements they may have for the waste removal and disposal of this substance.

Waste Classification: When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP). For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

US DOT Class: Not regulated for transport.

15. REGULATORY INFORMATION

Workplace classification: This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200). This product is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS).

All individual ingredients of this product are listed in Section 3 of this MSDS. Different states and locales may have different regulations, including Right-to-Know regulations, regarding specific chemical substances and users should consult the appropriate regulations and contact authorities as necessary to assure compliance with applicable regulations. All components of this product are believed to be in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

SARA SECTION 311/312: Categorizations (40CFR370) Acute Health Hazard; Chronic Health Hazard

SARA SECTION 313: This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

California Proposition 65: This product contains trace levels of a component or components known to the State of California to cause cancer: Dioxane 123-91-1

16. OTHER INFORMATION

Category	HMIS III – SUN-1	Scale
Health	2*	4 = Severe Hazard
Flammability	0	3 = Serious Hazard
Physical Hazard	0	2 = Moderate Hazard
Personal Protection	X	1 = Slight Hazard
	* (Chronic)	0 = Minimal Hazard

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.