

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration
MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard.
29CFR 1910.1200. Standard must be consulted for specific requirements.

SECTION I

MANUFACTURER'S NAME/REPACKAGED BY: Certified Safety Mfg. Co., Inc.	TELEPHONE NO. (816) 483-9090
ADDRESS: 1400 Chestnut Avenue Kansas City, Missouri 64127	
IDENTITY (AS USED ON LABEL): Anti-Fog/Anti-Static Solution	DATE PREPARED: 12/23/09
DATE REVIEWED:	

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

In accordance with 29 CFR §1910.1200 (i)(1) the specific chemical identity of this product is being withheld as a trade secret.			
HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s)):			
	%	OSHA PEL	ACGIH TWA
OTHER LIMITS RECOMMENDED			
Diocetyl sodium sulfosuccinate CAS#577-11-7	None	Established	None
Ethanol CAS#64-17-5	1000 ppm	1000 ppm	
Ingredients not precisely identified are proprietary or non-hazardous.			
THIS PRODUCT IS PRODUCED AS A HEALTH CARE ITEM "FOOD, DRUG OR COSMETIC, INTENDED FOR PERSONAL CONSUMPTION BY EMPLOYEES WHILE IN THE WORKPLACE" TO WHICH THE HAZARDOUS COMMUNICATIONS REQUIREMENTS OF; 29CFR1910.1200 (A) & (B) DO NOT APPLY, AS SPECIFICALLY STATED IN 29CFR 1910.1200 (B) (5) (V)			

SECTION III – PHYSICAL DATA

BOILING POINT (°F):	173° °F(78C)	SPECIFIC GRAVITY (H₂O= 1):	~1.08 @25° C
VAPOR PRESSURE (mm Hg.):	No Data	MELTING POINT:	No Data
SOLUBILITY IN WATER:	No Data	% volatiles by Vol.:	~30
pH:	5-7% 1% in water		
APPEARANCE AND ODOR: Colorless liquid			

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): 81°F (27°C) (TAG Open Cup)	FLAMMABLE LIMITS:	LEL:	UEL:
		No Data	
EXTINGUISHING MEDIA: Use water fog, alcohol foam, dry chemical or CO ₂			
SPECIAL FIRE FIGHTING PROCEDURES: Special protective equipment for fire-fighters: A self contained Breathing apparatus and suitable protective clothing must be worn in fire conditions.			
UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable Liquid			

SECTION V – REACTIVITY DATA

STABILITY:	STABLE	X	CONDITIONS TO AVOID: None Known
INCOMPATIBILITY (Materials to avoid): Strong acids. Alkaline materials			
HAZARDOUS POLYMERIZATION:	MAY OCCUR		CONDITIONS TO AVOID: N/A
	WILL NOT OCCUR	X	
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide. Sulfur oxides.			

SECTION VI – HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION?: yes	SKIN?: yes	EYES?: yes
Eye Contact: This material will cause eye irritation following contact. Skin Contact: Causes skin irritation. No toxic		

effects are expected if absorbed through the skin. **Inhalation:** Vapors and aerosols will probably irritate respiratory passages. At high concentrations, vapors or aerosols of the solvent can produce respiratory and central nervous system depression, headache, dizziness, and nausea. **Ingestion:** In humans, irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion of this product. May be harmful if swallowed. Adverse responses to ethanol following excessive acute exposures can include initial excitation followed by ataxia, depression, prostration, narcosis, and death.

HEALTH HAZARDS (Acute and Chronic): Chronic ingestion of ethanol may cause damage to the liver, heart and gastrointestinal tract.

REPRODUCTIVE TOXICITY/TERATOGENICITY: Ethanol overexposure has been associated with abnormal fetal formation, growth retardation, neurological damage, and behavioral alterations in children with fetal alcohol syndrome.

EMERGENCY AND FIRST AID PROCEDURES: Eyes Contact: Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.

Skin Contact: Wash material off the skin with soap and plenty of water. Get medical attention. Wash contaminated clothing and decontaminate footwear before reuse. **Inhalation:** Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel. **Ingestion:** DO NOT INDUCE VOMITING. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain spill. Eliminate sources of ignition and ventilate spill area. Soak up material with absorbent and, using non-sparking equipment, shovel into a chemical waste container. Soak up material with absorbent and shovel into a chemical waste container. Keep out of sewers and drains.

DISPOSAL CONSIDERATIONS: Disposal should be in accordance with local, state or national legislation. May contain explosive vapors. Keep away from heat, sparks and flames. Do not weld or use a cutting torch on or near container.

CONTAINER DISPOSAL: Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original products. Remove all product residues from container and puncture or otherwise destroy empty container before disposal.

SECTION VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type): None required

PRECAUTIONARY STATEMENTS: Packaged under pressure. Do not puncture, incinerate or store above 120°F. Flammable. Keep away from heat source.

VENTILATION:	LOCAL EXHAUST: X	SPECIAL: None
	MECHANICAL (General): None	OTHER: None

PROTECTIVE GLOVE: Impervious gloves **EYE PROTECTION:** Chemical tight goggles

OTHER PROTECTIVE EQUIPMENT: Respiratory protection: If needed, use MSHA-NIOSH approved respirator or organic vapors. Eyewash and safety shower easily accessible to the work area.

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Handling Follow procedures specified in the National Fire Protection Association Codes and Standards for handling flammable liquids. Keep away from heat, sparks and open flame. Ground tankers during discharging/filling. Take precautionary measures against static discharges. Prevent eye contact. Prevent skin contact. Avoid breathing this material. Do not swallow. **Storage:** Store in original containers.

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