

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 Manufacturing, Inc.	TELEPHONE NO. (816) 483-9090
ADDRESS: 1400 Chestnut Avenue Kansas City, Missouri 64127	
IDENTITY (AS USED ON LABEL): Lens Cleaning Solution	DATE PREPARED: 12/23/09
DATE REVIEWED:	

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s)):				
	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Diocetyl sodium sulfosuccinate	CAS# 577-11-7	None Established	None Established	
Ethanol	CAS#64-17-5	1000 ppm	1000 ppm	
Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications				
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 (78°C)	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	√	CONDITIONS TO AVOID: None known
INCOMPATIBILITY (Materials to avoid): Strong acids. Alkaline materials			
HAZARDOUS POLYMERIZATION:	MAY OCCUR		CONDITIONS TO AVOID: Heat, sparks, and open flame
	WILL NOT OCCUR	√	
HAZARDOUS PRODUCTS: Carbon dioxide, carbon monoxide. Sulfur oxides.			

SECTION VI – HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION?: yes	SKIN?: yes	EYE?: 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: (Chronic and Acute): 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: **Eye 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 residue from container and puncture or otherwise destroy empty container before disposal.

SECTION VIII – SPECIAL PROTECTION INFORMATION

VENTILATION:	LOCAL EXHAUST: <input checked="" type="checkbox"/>	SPECIAL: None
	MECHANICAL (<i>General</i>): None	OTHER: None
PROTECTIVE GLOVE: Impervious Gloves	EYE PROTECTION: Chemical tight goggles	
OTHER PROTECTIVE EQUIPMENT: Respiratory protection: If needed, use MSHA-NIOSH approved respirator for 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.

THIS INFORMATION AND RECOMMENDATIONS HEREIN ARE TAKEN FROM SOURCES BELIEVED TO BE ACCURATE AS OF THE DATE, HOWEVER CERTIFIED SAFETY MAKES NO WARRANTY WITH RESPECT TO THE ACCURACY OF THIS INFORMATION OR THE SUITABILITY OF THE RECOMMENDATIONS, AND ASSUMES NO LIABILITY TO ANY USE THEREOF.....