

MATERIAL SAFETY DATA SHEET

PROSOCO, INC.



I PRODUCT IDENTIFICATION

MANUFACTURER'S NAME AND ADDRESS: PROSOCO, Inc.
3741 Greenway Circle
Lawrence, KS 66046

EMERGENCY TELEPHONE NUMBERS:
8:00 AM – 5:00 PM CST Monday-Friday: 785/865-4200
NON-BUSINESS HOURS (INFOTRAC): 800/535-5053

PRODUCT TRADE NAME: T-2320 Lithium Densifier

II HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	NFPA CODE	ACGIH TLV/TWA	OSHA PEL/TWA
Lithium Polysilicate	12627-14-4	--	1 mg/m ³ *	*

* The ACGIH Threshold Limit Value (TLV) has not been established nor has OSHA established the Permissible Exposure Limit (PEL) for this product, therefore the limits described have been established as guidelines by the manufacturer.

III TYPICAL PHYSICAL DATA

	BOILING POINT (°F)	FREEZING POINT (°F)	VAPOR PRESSURE (mm Hg)	VAPOR DENSITY (Air = 1)
Lithium Polysilicate	212°F (100°C)	32°F (0°C)	17 (@20°C)	<1
	SPECIFIC GRAVITY	pH	SOLUBILITY IN WATER	APPEARANCE AND ODOR
T-2320 Lithium Densifier	1.02	11.0	Appreciable (>99%)	Clear, water-like liquid, practically odorless

IV FIRE AND EXPLOSION HAZARD DATA

EMERGENCY OVERVIEW

T-2320 Lithium Densifier is a clear, water-like alkaline liquid that is practically odorless. Prolonged contact may cause skin and eye irritation. Inhalation may cause irritation. Ingestion may cause gastric distress.

FLASH POINT (METHOD): Non-flammable

FLAMMABLE LIMITS: LEL: not applicable UEL: not applicable

EXTINGUISHING MEDIA: Carbon dioxide, water, water fog, dry chemical, chemical foam

FIRE FIGHTING PROCEDURES:

SPECIAL FIRE FIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

V HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Skin, eyes, inhalation, ingestion.

CARCINOGEN INFORMATION: Not listed (OSHA, IARC, NTP).

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

EFFECTS OF OVEREXPOSURE:

EYE CONTACT: Contact with eyes may cause pain and irritation.

SKIN CONTACT: Contact with skin may cause irritation, dermatitis.

INHALATION: Inhalation of mists or vapors may cause irritation to upper respiratory tract and mucous membranes.

INGESTION: Irritating to digestive tract; may cause gastric distress, stomach pains.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.

SKIN CONTACT: Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.

INHALATION: Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.

INGESTION: Drink large quantities of water or milk; DO NOT induce vomiting; seek medical attention immediately.

VI REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Extreme temperatures, keep from freezing.

INCOMPATIBILITY (MATERIALS TO AVOID): strong oxidizers, strong acids

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Smoke, fumes, oxides of carbon. Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon and lithium, hydrocarbons, fumes, and smoke may be produced.

VII SPILL OR LEAK PROCEDURES

SPILL, LEAK, WASTE DISPOSAL PROCEDURES: STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes. Wash small spills to sanitary sewer. Large spills – confine spill, soak up with approved absorbent, shovel product into approved container for disposal.

WASTE DISPOSAL METHODS: Dispose of in accordance with Local, State, and Federal Regulations. Refer to “40 CFR Protection of Environment Parts 260-299” for complete waste disposal regulations for alkaline materials. Consult your local, state, and Federal Environmental Protection Agency before disposing of any chemicals.

VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required while threshold limits are kept below maximum allowable concentrations, if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations. If mists are present, wear a NIOSH approved dust/mist respirator.

VENTILATION: The use of local exhaust ventilation is recommended. Use corrosion-resistant ventilation equipment.

PROTECTIVE CLOTHING: Coveralls, apron, or other equipment as needed to minimize skin contact.

PROTECTIVE GLOVES: Neoprene or rubber gloves with cuffs as needed to prevent prolonged exposure.

EYE PROTECTION: Safety glasses with side shields. Depending on application condition, chemical splash goggles or a face shield may be necessary to prevent eye contact.

OTHER PROTECTIVE EQUIPMENT: Provide eyewash and clean water for rinsing skin.

IX SPECIAL PRECAUTIONS

WORK PRACTICES: Proper work practices and planning should be utilized to avoid contact with workers, passersby, and non-masonry surfaces. Always follow published application rates. See the Product Data sheet and label for specific precautions to be taken during use. Smoking, eating and drinking should be prohibited during the use of this product. Wash hands before breaks and at the end of a shift.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep from freezing. Keep this and other chemicals out of reach of children.

OTHER PRECAUTIONS: Avoid generating mists during application.

X REGULATORY INFORMATION

SHIPPING: Non-regulated for shipment in all modes; domestic or international.

NATIONAL MOTOR FREIGHT CLASSIFICATION:

SARA 313 REPORTABLE:

CHEMICAL NAME	CAS	UPPERBOUND CONCENTRATION % BY WEIGHT
None	--	--

CALIFORNIA PROPOSITION 65: Contains no chemicals known to the State of California to cause cancer or reproductive risk.

XI OTHER

MSDS Status: **Date of Revision:** May 5, 2011
For Product Manufactured After: April 18, 2011
Changes: Product Added to Special Order List
Item #: T2320
Approved By: Laboratory

DISCLAIMER:

The information contained on the Material Safety Data Sheet has been compiled from data considered accurate. This data is believed to be reliable, but it must be pointed out that values for certain properties are known to vary from source to source. **PROSOCO, Inc. expressly disclaims any warranty express or implied as well as any liability for any injury or loss arising from the use of this information or the materials described.** This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his unique application. This data relates only to the specific material designated and is not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize himself with all applicable regulations.

DATE OF PREPARATION: May 5, 2011