



Aqua Chemical Supply, Inc.

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SLI - 5230
Synonyms Blended Phosphate
CAS Number Proprietary Blend
SDS Number/Grade 0010

Recommended Use Water treatment, sequestration, corrosion inhibitor

Company Identification
Shannon Chemical Corporation
P.O. Box 376
Malvern, PA 19355

Emergency telephone number: For emergency assistance involving chemicals call
CHEMTREC day or night at: 1-800-424-9300

2. HAZARDS IDENTIFICATION

SLI-5230 is a clear, water white, odorless, solution. Contact with the mists, sprays, or liquid may burn eyes and skin. SLI-5230 is neither flammable nor combustible. Emergency response individuals should wear the appropriate PPE suitable for the situation to which they are responding

The primary routes of exposure for SLI-5230 are through inhalation and/or contact with skin or eyes.

Inhalation: Mist, if formed, may irritate mucous membranes and respiratory tract. Prolong exposure to high concentrations may result in coughing, choking and difficulty breathing. Severe inhalation may lead to pulmonary edema.

Contact with Skin or Eyes: Contact with eyes may cause irritation and burning. Rinse eyes thoroughly with water. Skin contact for a prolonged period of time may result in reddening, discomfort, irritation and burning. Rinse exposed area after exposure.

Skin Absorption: Skin absorption is not a significant route of overexposure.

Ingestion: Do not ingest. If the product is swallowed, irritation and burns of the mouth, throat and esophagus may occur.

Acute: Contact may result in irritation and burning.

Chronic: Stomach pains, metallic taste, vomiting, lung irritation and difficulty breathing may result from, prolonged exposure to high concentrations of mist.

Target Organs: Skin, eyes, respiratory system

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components: All chemicals contained in this blend are non-hazardous.
Synonyms : 8 tended Phosphate
CAS-No.: Proprietary Blend

Composition comments: All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. FIRST AID MEASURES

Eye Exposure: Flush eyes with running water for 10-15 minutes. If individual is wearing contact lenses, remove them. Hold eyelids apart while flushing with water. Seek medical attention.

Skin Exposure: Rinse with water for 5 minutes. Remove and wash any clothing exposed to the solution before reuse. If irritation and swelling persist, seek medical attention.

Inhalation: Remove from further exposure. Expose individual to fresh air. If not breathing, give proper artificial respiration. If breathing is difficult, trained personnel should administer oxygen. Seek immediate medical attention.

Ingestion: If victim is conscious and alert give 2-3 glasses of water. Do Not induce vomiting. Do not give anything to drink to an unconscious person. Do not leave victim unattended. To prevent aspiration, lay victim on side with head lower than waist. Vomiting may occur simultaneously. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Not combustible. Use extinguishing media suitable for surrounding fire such as; water, foam, dry chemical powder, and carbon dioxide.

Unsuitable Extinguishing: Water jet may spread fire. Media

Special Hazards - Unusual Fire and Explosion Hazards

This product is non-flammable and non-combustible. However, this product is corrosive and when exposed to common metals it may release hydrogen gas which may form flammable mixtures with air and other chemical vapors.

Special Fire Fighting Procedures

SLI-5230 does not support combustion. Remove any containers from fire area if they have not been exposed to heat and if it can be done without risk to personnel. Use water spray to keep containers cool and to flush away any spillage away from metals and fire. Incipient fire fighters should wear eye protection and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precaution Clear and protect area from untrained personnel.

Emergency Procedures Contain large spills in safe manner. Absorb spilled material with dry sand, speedy dry, vermiculite. Sweep up and place in containers for proper disposal according to all Federal, State and local rules and regulations. Flush area with fresh water.

Methods and Material for Containment and Cleaning Up

Containment/Clean-up If possible, dike spill and/or contain. Mop or pump spill into plastic drums and label corrosive. All spills should be responded to by trained professionals using pre-planned procedures. Dispose of all chemical in accordance with Federal, State and local hazardous waste disposal regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling Avoid contact with skin, eyes, clothing and mucous membranes. Wear protective clothing. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices. Use in a well ventilated area.

Storage Store drums in a cool, dry location away from direct sunlight and source of heat. Keep drums tightly sealed. Use caution handling empty drums which may contain residual product, liquid and/or vapors. Store away from incompatible materials. (See Section 10)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits/Guidelines	No limits established
Engineering Measures/Controls	Adequate and proper ventilation
Personal Protections	
Respiratory Protection	Maintain airborne contaminant concentration below exposure limits listed in Section II. When respirators are required, select NIOSH/MSHA approved equipment in accordance with the latest OSHA standard (29 CFR 1910.134)
Skin Protection	Where direct contact is likely, wear neoprene chemical resistant gloves and a protective apron or chemical suit if necessary.
Eye Protection	Wear chemical splash goggles and/or a face shield when eye and face contact is possible due to splashing or material handling and transfer.
Body Protection	A rubber apron or other impermeable body protection is suggested. Full body chemical protective clothing is recommended for emergency response procedures.
Ventilation Protection	Use material in a well-ventilated, open area to ensure exposure limits are maintained below the levels provided in section II

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, Water White
Odor	None
pH:	5.2 to 6.0
Freezing Point:	18°F
Boiling Point:	215°F
Flash Point:	215°F
Evaporation Rate:	Varies dependent on surrounding temperatures and atmosphere pressure
Flammability (solid, gas):	Not applicable
Flammability:	Non-flammable
Explosive Limits:	No limits established
Vapor Pressure:	No limits established
Vapor Density:	No data available
Relative Density:	No data available
Solubility (ies):	Complete
Aura-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	Varies with temperature
Product Density:	11.4#/gallon

10. STABILITY AND REACTIVITY

Conditions to Avoid:	Stable under normal ambient conditions of temperature and pressure. Extreme heat
Incompatible Materials:	Strong bases, strong oxidizing agents, metals, sulfur, fluorine.
Hazardous Decomposition Products:	Oxides of Phosphorous, Phosphine
Hazardous Polymerization:	Will not occur

11. TOXICOLOGICAL INFORMATION

Suspected Cancer Agent: This product or its raw material ingredients are not found on any of the following lists: Federal OSHA Z List, NTP, IARC, and CAL/OSHA. Not a known carcinogen.

Sensitization Effects: This product contains no known sensitizers with repeated or prolonged use.

Mutagenicity: No reported mutagenic effects in humans

Embryotoxicity: No reported embryotoxic effects in humans

Teratogenicity: No reported teratogenesis effects in humans

Reproductive Toxicity: No reported reproductive toxicity effects in humans

12. ECOLOGICAL INFORMATION

Biodegradability: Anaerobic

Ecotoxicity: Not Available

Biological Oxygen Demand (BODS): Not Available

Chemical Oxygen Demand: Not Available

Additional Ecological Information: The phosphate component of this product may act as a plant nutrient causing eutrofication. No other adverse environmental effects

13. DISPOSAL CONSIDERATION

Product Waste: In case of spill, contain material and call local authorities for emergency assistance. Collect in appropriate containers. Dispose of all waste in accordance with appropriate Federal, State and local regulations.

Container Disposal: State and local requirements for container disposal often differ with Federal laws. Consult local authorities regarding proper disposal of drums and containers.

14. TRANSPORT INFORMATION

Proper Shipping Name: Non Corrosive Liquid, n.o.s.

DOT Hazard Class: Non Corrosive

U.N Identification: Not applicable

Canadian TDG Hazard Class & Pin: Not regulated

15. REGULATORY INFORMATION

This product is subject to the reporting requirements of Section 302, 304 and 313 Title III of the Superfund Amendments and Reauthorization Act as follows:

Product: SLI-5230

CAS#: Proprietary Blend

Federal Regulations: Product is not a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA: Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Hazard categories:

Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance: Not listed

SARA 311/312 Hazardous chemical: No

SARA 313 (TRI reporting): Not regulated

16. OTHER INFORMATION

Notice

Aqua Chemical Supply, Inc. expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from your local Aqua Chemical Supply, Inc. sales office.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Aqua Chemical Supply, Inc. makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Aqua Chemical Supply, Inc.'s control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.