

ISOLYSER LTS-PLUS®

MATERIAL SAFETY DATA SHEET

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MEDICAL EMERGENCIES: (662) 327-1863
CHEMTREC ASSISTANCE: (800) 424-9300

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: LTS-PLUS® 500, 1200, 1500, 2000, 3000
SYNONYM: None
CHEMICAL FAMILY: Cross-linked polyprotic resin
FORMULA: Sodium Polyacrylate 89.8% & Sodium Dichloro-S-Triazinetrione Dihydrate 10.2%
(Available Chlorine 5.8%)
CAS NUMBER: None Assigned
DOT SHIPPING NAME: Fluid Waste Pickup
DOT HAZARD CLASS: Non-Hazardous
UN/NA NUMBER: None Assigned
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) RATING:
Health = 2 Flammability = 0 Reactivity = 1 Protective Equipment = B

SECTION II - HEALTH SAFETY ALERT

CAUTION: May cause skin and eye irritation. Dust may be irritating if inhaled. Surface subject to spills or dusting may become slippery when wet. Avoid prolonged or repeated contact with powder and solutions. Do not use this product until MSDS has been read and understood.

SECTION III - HEALTH HAZARD INFORMATION

EYE: Direct contact with resin granules can produce moderate to severe irritation.
SKIN: May produce irritation or drying on prolonged or repeated contact.
INHALATION: Prolonged or repeated inhalation may produce respiratory irritation, headache, nausea and dizziness. Severe overexposure may lead to disorientation, weakness and collapse with a drop in blood pressure.
INGESTION: Swallowing this product may lead to mouth and stomach irritation accompanied by burning pain, nausea, vomiting and diarrhea. SEE SECTION XII.

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush with water for 15 minutes. Do not use chemical agents to neutralize. Seek medical aid.
SKIN CONTACT: Wipe or wash material from skin. Wash contaminated clothing. Seek medical aid.
INHALATION: Remove from exposure. Administer artificial respiration and oxygen if necessary. Seek medical aid.
INGESTION: Call Chemtrec at 1-800-424-9300 and seek medical aid.

SECTION V - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT & METHOD: Not Applicable **AUTO IGNITION TEMP:** Not Applicable
FLAMMABLE LIMITS: Not determined
EXTINGUISHING MEDIA: Water spray
FIRE AND EXPLOSION HAZARDS: Use NIOSH certified chlorine gas mask. Combustion can evolve carbon monoxide, carbon dioxide, chlorinated compounds, cyanogen and chlorinated oxides of nitrogen.
* These data are applicable to chlorinated cyanurates, an ingredient of LTS-PLUS®.

SECTION VI - SPILL, LEAK, AND DISPOSAL INFORMATION

SPILL OR LEAK PROCEDURES: Take up with pan and broom, wear gloves. For very large amounts, use personal respiratory protection and eye protection. Shut off sources of ignition. Evacuate area and guard against fire.
WASTE DISPOSAL: All waste disposal must be done in accordance with applicable regulations.

**SECTION VII - OCCUPATIONAL EXPOSURE
LIMIT/ HAZARDOUS INGREDIENTS**

EXPOSURE LIMIT (Product): Work place exposure limit 5 mg/m³ (respirable; general dust)

HAZARDOUS INGREDIENTS	CAS NO.	PERCENT	EXPOSURE
chlorinated cyanurates	51580-86-0	< 15%	TLV - 1 ppm (Chlorine)

Identity of specific components of this mixture are proprietary.

SECTION VIII - PERSONAL PROTECTION INFORMATION

EYE PROTECTION:	Safety glasses.
SKIN PROTECTION:	Rubber gloves.
RESPIRATORY PROTECTION:	Effective Dust Mask
VENTILATION:	Special ventilation not required for normal use.

SECTION IX - PERSONAL HANDLING INSTRUCTIONS

HANDLING:	Practice reasonable care and cleanliness. Keep container closed to avoid moisture pickup and volatilization of chlorine. Wash hands thoroughly after handling.
STORAGE:	Store in cool, dry area. Eliminate source of ignition such as static discharge, open flames etc.
OTHER:	Do not take internally. Wash exposed areas promptly and thoroughly after contact and before eating, drinking, use of tobacco products, or use of restrooms. Do not wear contacts without eye protection.

SECTION X - REACTIVITY DATA

CONDITION CONTRIBUTING TO INSTABILITY: Material stable but can combust.
INCOMPATIBILITY: Oxidizing agents and oxidizable material, strong acids or alkali.
HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, fluoro- and chloro-containing compounds, cyanogen, ammonia.
CONDITION CONTRIBUTING TO HAZARDOUS POLYMERIZATION: None.

SECTION XI - PHYSICAL DATA

BOILING POINT:	decomposes*	SPECIFIC GRAVITY:	0.54 g/cm ³
VAPOR PRESSURE:	NA	EVAPORATION RATE:	Not Applicable
SOLUBILITY:	Insoluble in water	pH (0.5 % in Saline):	6.0-7.0
APPEARANCE/ODOR:	Free-flowing crystalline to granular tan powder/Slight chlorine odor		

* These data are applicable to chlorinated cyanurates, an ingredient of LTS-PLUS®.

SECTION XII - COMMENTS

Persons with a history of disease or illness involving the skin, eyes, respiratory tract or circulatory system may be at greater risk of developing adverse health effects from exposure to this product.

No known ingredients which occur at greater than 0.1% are listed as carcinogens by the IARC Monographs on the Evaluation of the Carcinogenic Risk to Humans, the NTP Annual Report on Carcinogens, or OSHA 29 CFR 1910.1001-1047 Subpart Z Toxic and Hazardous Substances.

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NOTICE: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, ISOLYSER Company makes no warranty with respect thereto and disclaims all liability from reliance thereon.
