

ISOLYSER
LTS® LIQUID TREATMENT SYSTEM

MATERIAL SAFETY DATA SHEET

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SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: LTS 500, 1200, 1250, 2000, 3000, 3100, 13000, 22000, 30000, 60000, 500SK, 1000SK, 2000SK

SYNONYM: None

CHEMICAL FAMILY: Cross-linked polyprotic resin preserved with phenolic derivatives

FORMULA: Proprietary Formulation

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 = 1 Flammability = 0 Reactivity = 0 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 mild irritation or drying on prolonged or repeated contact.

INHALATION: Prolonged or repeated inhalation may produce nose or throat 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: 188°C(Close Cup)* AUTO IGNITION TEMP: Not Determined

FLAMMABLE LIMITS (% OBCP/Air) Not determined

EXTINGUISHING MEDIA: Water spray, dry chemical, foam, carbon dioxide or halon.

FIRE AND EXPLOSION HAZARDS: Combustion can evolve carbon monoxide and oxides of nitrogen.

* These data are applicable to OBCP, an ingredient of LTS.

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.

CODE: 04/24/95

REPLACES: 24194

SECTION VII - OCCUPATIONAL EXPOSURE
LIMIT/ HAZARDOUS INGREDIENTS

EXPOSURE LIMIT (Product):	Work place exposure limit 5 mg/m ³ (respirable; general dust)		
HAZARDOUS INGREDIENTS	CAS NO.	PERCENT	EXPOSURE
<i>o</i> -benzyl <i>p</i> -chlorophenol (OBCP)	120-32-1	< 2.5%	Not Established

Identity of specific components of this mixture are proprietary.

SECTION VIII - PERSONAL PROTECTION INFORMATION

EYE PROTECTION:	Safety shield or glasses.
SKIN PROTECTION:	Rubber or plastic gloves impervious to blood or body fluids.
RESPIRATORY PROTECTION:	NIOSH/OSHA approved air purifying or air-line respirator when dust levels exceed exposure limits (5mg/m ³ respirable PEL).
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. 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, strong acids or alkali.
HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide, fluoro- and chloro-containing compounds.
CONDITION CONTRIBUTING TO HAZARDOUS POLYMERIZATION:	None.

SECTION XI - PHYSICAL DATA

BOILING POINT:	327°C*	SPECIFIC GRAVITY:	0.54 g/cm ³
VAPOR PRESSURE:	0.1 mmHg (100°C)*	EVAPORATION RATE:	Not Applicable
SOLUBILITY:	Insoluble in water	pH (0.5 % in Saline):	6.5-7.0
APPEARANCE/ODOR:	Free-flowing crystalline to granular tan powder/Slight phenol odor		

* These data are applicable to OBCP, an ingredient of LTS.

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.