

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION						
NFPA Rating: Health-3; Flammability-3; Reactivity-0; Special- -			HMIS Rating: Health-3; Flammability-3; Reactivity-0; Personal Protection-B			
Manufacturer's Name: LYN DISTRIBUTING Address: 965 NORTH REDWOOD ROAD NORTH SALT LAKE, UTAH 84054			DOT Hazard Classification: Flammable Liquid, 3 Identity (trade name as used on label): DEEP FREEZE PLUS FREEZER CLEANER			
Date Prepared: 12/15/97 Prepared By: SH		MSDS Number: K1039FA-4 Revision - 3				
Information Calls: (800)-366-5022 EMERGENCY RESPONSE NUMBER: 1(800)366-5022			NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA			
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
METHANOL		67-56-1	Yes	200	200	d
2-BUTOXYETHANOL		111-76-2	No	25	25	d
POTASSIUM HYDROXIDE		1310-58-3	No			d
Amphoteric Surfactant		68298-20-4	No			d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 97°F			Specific Gravity (H2O=1): 0.945			
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): 68°F 27 mm/Hg			
Vapor Density (Air = 1): N/D			Evaporation Rate (water = 1): >1			
Solubility in Water: Miscible			Water Reactive: No			
Appearance and Odor: Clear, purple, non-viscous liquid with alcohol odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A		Auto Ignition Temperature: 385°C		Flammability Limits in Air by % in Volume: % LEL: 6.0 % UEL: 56.5		
FLASH POINT AND METHOD USED (non-aerosols): 61°F TCC		SPECIAL FIRE FIGHTING PROCEDURES: Full protective clothing & self-contained breathing apparatus should be worn when exposed to vapors or products of combustion.				
EXTINGUISHER MEDIA: Water spray, alcohol foam, CO2, dry chemical.						
Unusual Fire & Explosion Hazards: None known.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE			HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
Incompatibility (Mat. to avoid): Alkali & alkaline earth metals, anything reactive to water.			Conditions to Avoid: Heat, sparks, open flame.			
Hazardous Decomposition Products: Oxides of carbon, formaldehyde, methanol vapors.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
ACUTE EFFECTS: Prolonged or repeated exposures by any route may cause systemic poisoning including varying degrees of temporary or permanent visual damage.						
Inhalation: May irritate respiratory mucous membranes. May cause systemic toxicity.						
Eye Contact: May cause eye irritation. Sufficient absorption for systemic toxicity unlikely.			Skin Contact: May cause irritation & dryness. Absorption from prolonged contact may cause systemic toxicity.			
Ingestion: Causes dizziness, headache, acidosis, visual disturbances & damage & possible unconsciousness.						
CHRONIC EFFECTS: Methanol poisoning can result in permanently impaired vision or blindness & degenerative damage to internal organs. The effects of methanol may be cumulative.						
Medical Conditions Generally Aggravated by Exposure: Not specifically known.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with large amounts of water for 15 minutes. If irritation persists, get medical attention.						
Skin Contact: Wash with large amounts of water. If irritation persists, get medical attention.						
Inhalation: Remove to fresh air. Give artificial respiration or oxygen as needed. If symptoms develop, get medical attention.						
Ingestion: Give 2 glasses of water and INDUCE VOMITING . Repeat until vomitus is clear. Get immediate medical attention. Never give anything by mouth to an unconscious person.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): None needed under normal conditions of handling and usage.						
Protective Gloves: Impervious gloves.			Eye Protection: Chemical goggles or full face shield.			
Ventilation Requirements: No special ventilation is needed under normal conditions of handling. If mechanical ventilation is required, use explosion-proof ventilation.						
Other Protective Clothing & Equipment: Impervious clothing as needed where splashing is a problem. Eyewash stations and safety showers.						
Hygienic Work Practices: Do not eat, drink or smoke in work area. Wash hands after handling.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: Contain spill. Soak up in inert absorbent material. Place in leak-proof containers. Seal & properly label containers.						
Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.						
Precautions To Be Taken In Handling & Storage: Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Store in cool area away from heat, sparks or open flame.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only