

# MATERIAL SAFETY DATA SHEET

*FOR EVALUATION PURPOSES ONLY*

Revision 1

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## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 18 oz Lft1 Acsr Lith Plncap

Product Code: 02700074f

TradeName(s):

### SUPPLIER:

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL  
CHEMTREC 1-800-424-9300

COMPANY NAME  
ADDRESS  
CITY, STATE ZIP CODE  
PHONE NUMBER

### PACKAGED BY:

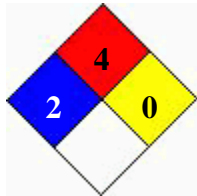
PLAZE, INCORPORATED  
105 BOLTE LANE  
ST. CLAIR, MISSOURI 63077  
636-629-3400

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name / CAS No</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
ETHYLENE GLYCOL N-BUTYL ETHER, EB 111-76-2 15 - 18 %	25 PPM	20 PPM	
BUTANE 106-97-8 2 - 4 %	800 ppm TWA		
PROPANE 74-98-6 1- 3 %	1000 ppm PEL 2100 ppm IDLH		

## SECTION III - HEALTH HAZARD INFORMATION

EFFECTS OF OVER EXPOSURE: INHALATION: SHORTNESS OF BREATH, DIZZINESS AND LIGHTHEADEDNESS. EYE: CAN CAUSE EYE IRRITATION. SKIN: SLIGHT SKIN IRRITATION, CAN CAUSE DERMATITIS. INGESTION: MAY CAUSE CHEMICAL PNEUMONIA IF ASPIRATED INTO LUNG.



**HMIS Rating: 2 - 4 - 0**

ACUTE TOXICITY: NOT DETERMINED

### Effects of Overexposure, BUTANE:

EYE CONTACT THE GAS PHASE IS NOT EXPECTED TO CAUSE EYE IRRITATION. THE LIQUID PHASE CAN CAUSE FROSTBITE AND BURNS

SKIN CONTACT CONTACT CAN CAUSE SKIN BURNS AND FROSTBITE

**Effects of Overexposure, BUTANE:**

INHALATION THIS PRODUCT IS AN ASPHYXIATE AND MAY EXHIBIT ANESTHETIC PROPERTIES AT HIGH CONCENTRATIONS.

INGESTION THIS MATERIAL IS GAS UNDER NORMAL ATMOSPHERIC CONDITIONS

**Effects of Overexposure, ETHYLENE GLYCOL N-BUTYL ETHER, EB:**

EYE CONTACT MAY CAUSE MODERATE EYE IRRITATION WHICH MAY BE SLOW TO HEAL.

SKIN CONTACT PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION. EXCESSIVE EXPOSURE MAY CAUSE HEMOLYSIS, THEREBY IMPAIRING THE BLOOD'S ABILITY TO TRANSPORT OXYGEN.

INGESTION SINGLE DOSE TOXICITY IS CONSIDERED TO BE MODERATE. SMALL AMOUNTS SWALLOWED INCIDENTALLY ARE NOT LIKELY TO CAUSE INJURY. SWALLOWING LARGER AMOUNTS MAY CAUSE INJURY.

INHALATION SINGLE PROLONGED (HOURS) EXCESSIVE INHALATION EXPOSURE MAY CAUSE ADVERSE EFFECTS. EXCESSIVE EXPOSURE MAY CAUSE IRRITATION TO THE UPPER RESPIRATORY TRACT.

**Effects of Overexposure, PROPANE:**

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SKIN CONTACT CONTACT CAN CAUSE SKIN BURNS AND FROSTBITE

INHALATION THIS PRODUCT IS AN ASPHYXIATE AND MAY EXHIBIT ANESTHETIC PROPERTIES AT HIGH CONCENTRATIONS.

INGESTION THIS MATERIAL IS GAS UNDER NORMAL ATMOSPHERIC CONDITIONS

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE RECOGNIZED

EFFECTS OF CHRONIC OVEREXPOSURE: PROLONGED EXPOSURE ABOVE THE OSHA PERMISSIBLE EXPOSURE LIMITS (PEL) MAY RESULT IN KIDNEY AND LIVER DAMAGE

**SECTION IV - FIRST AID PROCEDURES**

INHALATION: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT GIVE OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION.

EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION.

SKIN CONTACT: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER.

INGESTION: DO NOT INDUCE VOMITTING. IMMEDIATELY DRINK TWO GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL PHYSICAN IMMEDIATELY. KEEP PERSON WARM, QUIET AND GET PROMPT MEDICAL ATTENTION.

**SECTION V - FIRE HAZARDS**

Flash Point: NOT DETERMINED

Autoignition: NOT DETERMINED

LEL: 1.8 %

UEL: 9.5 %

EXTINGUISHING MEDIA: ALCOHOL FOAM, CO2, DRY CHEMICAL, FOAM OR WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS OF THIS PRODUCT MAY DEVELOP A FLAMMABLE ATMOSPHERE IN CONFINED AREAS.

HAZARDOUS COMBUSTION PRODUCTS: BURNING CAN PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE

FIRE FIGHTING: WATER MAY BE USED COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT

SPECIAL EQUIPMENT REQUIRED: WEAR A FULL FACE POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS (SCBA) WHEN FIGHTING FIRE

**SECTION VI - SPILL OR LEAK PROCEDURES**

EMERGENCY ACTION: ISOLATE SPILL OR LEAK AREA IMMEDIATELY. KEEP UNAUTHORIZED PERSONNEL AWAY. VENTILATE AREA AND ELIMINATE ALL IGNITION SOURCES.

SMALL SPILLS: CLEAN UP WITH INERT MATERIALS AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

LARGE SPILLS: DIKE AHEAD OF SPILL FOR LATER DISPOSAL. DO NOT DISCHARGE EFFLUENT OF THIS PRODUCT INTO LAKES, STREAMS OR OTHER WATERS UNLESS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.

**SECTION VII - HANDLING AND STORAGE**

HANDLING PRECAUTIONS: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

STORAGE REQUIREMENTS: DO NOT STORE IN DIRECT SUNLIGHT, NEAR OPEN FLAMES/SPARKS OR AT TEMPERATURES EXCEEDING 120F

**SECTION VIII - EXPOSURE CONTROL AND PERSONAL PROTECTION**

<u>Chemical Name / CAS No</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
ETHYLENE GLYCOL N-BUTYL 111-76-2	25 PPM	20 PPM	
BUTANE 106-97-8	800 ppm TWA		
PROPANE 74-98-6	1000 ppm PEL 2100 ppm IDLH		

ENGINEERING CONTROLS: PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE GUIDELINES.

GENERAL VENTILATION: MAY BE ADEQUATE FOR MAINTAINING AIRBORNE CONCENTRATIONS BELOW ESTABLISHED EXPOSURE LIMITS. IF GENERAL VENTILATION IS INADEQUATE, SUPPLEMENTAL LOCAL EXHAUST MAY BE REQUIRED IF AIRBORNE CONCENTRATIONS CANNOT BE REDUCED TO BELOW THE ESTABLISHED EXPOSURE LEVELS.

PERSONAL PROTECTIVE EQUIPMENT IS RECOMMENDED FOR PROLONGED OR REPEATED CONTACT. APPROPRIATE CHEMICAL RESISTANT GLOVES SHOULD ALWAYS BE WORN. CHEMICAL SPLASH GOGGLES OR FACE SHIELD IS RECOMMENDED. OTHER PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT AS LISTED IN 29CFR1910.132&133.  
REMOVE ALL CONTAMINATED CLOTHING IMMEDIATELY AND LAUNDER PRIOR TO RE-USE

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	<b>AEROSOL SPRAY</b>
Odor	<b>NOT DETERMINED</b>
Physical State	<b>NOT DETERMINED</b>
Vapor Density	<b>NOT DETERMINED</b>
Evaporation Rate	<b>IS SLOWER THAN ETHER</b>
% Volume Volatile	<b>NOT DETERMINED</b>
Specific Gravity (SG)	<b>NOT DETERMINED</b>

**SECTION X - STABILITY AND REACTIVITY**

STABLE UNDER NORMAL CONDITIONS. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES

INCOMPATIBLES: AVOID CONTACT WITH STRONG OXIDIZING AGENTS, STRONG ALKALIES, STRONG MINERAL ACIDS AND CHLORINATED SOLVENTS.

AVOID CONTACT WITH METALS SUCH AS: ZINC, MAGNESIUM, ALUMINUM, AND GALVANIZED METALS.

HAZARDOUS DECOMPOSITION: BURNING CAN PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE

Hazardous polymerization will not occur.

**SECTION XI - TOXICOLOGY**

NOT DETERMINED

**SECTION XII - ECOLOGICAL**

NOT DETERMINED

**SECTION XIII - DISPOSAL INSTRUCTIONS**

EMPTY CONTAINERS MAY BE DISPOSED OF THROUGH NORMAL CHANNELS. FULL OR PARTIALLY FULL CONTAINERS ARE CONSIDERED HAZARDOUS WASTE AND MUST BE DISPOSED OF ACCORDINGLY.

**SECTION XIV - TRANSPORTATION**

DEPARTMENT OF TRANSPORTATION: FOR DOT REGULATORY INFORMATION, IF REQUIRED, CONSULT TRANSPORTATION REGULATIONS OF PRODUCT SHIPPING PAPERS.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>HazardClass</u>
DOT	CONSUMER COMMODITY			ORM-D

**SECTION XV - REGULATORY**

ALL INGREDIENTS ARE ON THE TSCA INVENTORY OR ARE NOT REQUIRED TO BE LISTED ON THE TSCA INVENTORY

**SECTION XVI - OTHER INFORMATION**

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING VAPORS AND INHALING CONTENTS CAN BE HARMFUL OR FATAL

DISCLAIMER: THE FORGOING INFORMATION HAS BEEN COMPILED FROM SOURCES BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE. RECIPIENTS ARE ADVISED TO CONFIRM IN PRIOR TO USE THAT THE DATA IS CORRECT. STANDARDS CHANGE WITHOUT NOTICE. IT IS THE RESPONSIBILITY OF THE RECIPIENT TO ASSURE THAT THEIR PERSONNEL HAVE BEEN NOTIFIED OF ANY CHANGES WHICH MAY AFFECT THEM. THE DATA PROVIDED ON THIS MSDS ARE NOT MEANT TO BE USED AS SPECIFICATIONS, ONLY AS GUIDELINE INFORMATION AS TO THE SAFE USE OF THE PRODUCT. THE USER SHOULD REFER TO APPLICABLE LAWS BEFORE USE. THIS MSDS COMPLIES WITH GUIDELINES SET BY 29CFR1910.1200