

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LEAK LOCK

GENERAL USE: PIPE JOINT SEALANT / THREAD LOCKER / GASKET SEAL
 PRODUCT DESCRIPTION: Blue flowable paste, slight alcohol odor
 PRODUCT ITEM #: 10001, 10004, 10016, 10128, 10550

MANUFACTURER'S NAME Highside Chemicals, Inc.	DATE PREPARED: March 1, 2012 SUPERSEDES: July 22, 2002	Page 1 of 4
ADDRESS (NUMBER, STREET, P.O. BOX) 11114 Reichhold Road (CITY, STATE AND ZIP CODE) Gulfport, MS 39503	TELEPHONE NUMBER FOR INFORMATION (228) 896-9220	
COUNTRY USA	EMERGENCY TELEPHONE NUMBER ChemTel Inc. 1- (800) 255-3924 Intl. + 01 (813) 248-0585	

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Blue flammable paste, potentially hazardous vapors. Can cause eye and skin irritation upon contact. Inhalation of vapors can cause anesthetic effect leading to death in poorly ventilated areas. Hazard symbols for this product - F, Xi Risk Phrases - R11, 20, 36/38

POTENTIAL HEALTH EFFECTS

INHALATION: High concentrations may cause dizziness, drowsiness, nausea, and vomiting. Dried product contains substances which are considered nuisance dusts which require a NIOSH Breathing airborne particles or dust from mixing, spraying, sanding, grinding, etc. may cause irritation to respiratory tract.

SKIN: Brief contact may cause slight irritation; no evidence of other adverse effects from available information.

EYES: Contact may cause minor irritation.

INGESTION: Causes dizziness, drowsiness, decreased reaction, euphoria, nausea, vomiting, staggering gait, and coma.

CARCINOGENICITY NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	EINECS #	% (by weight)	OSHA PEL		ACGIH TWA		RQ LBS
				PPM	MG/M3	PPM	MG/M3	
Ethanol (a)	64-17-5	200-578-6	15 - 40	1000	1900	1000		
Tetraethylene glycol	112-60-7	203-989-9	1 - 5	not established				
Talc, respirable dust	14807-96-6	238-877-9	15 - 40		2		2	
Isopropyl alcohol	67-63-0	200-661-7	1 - 5	400	980	400		

(a) Ingredients included in the Canadian Ingredient Disclosure List are one of the four categories of ingredients whose identity and concentration must be disclosed on an MSDS if found in a controlled product above the concentration cut-off.

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SECTION 4 - FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: Give two glasses of water for dilution; induce vomiting by sticking fingers down throat; never give anything by mouth to an unconscious person; seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)
60° F (15.6° C) PMCC

FLAMMABLE LIMITS

LEL: 3.3%

UEL: 19.0%

AUTOIGNITION TEMPERATURE:

Not determined

NFPA CLASS:

IB

GENERAL HAZARDS: Product is flammable. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA

Carbon dioxide, water, water fog, dry chemical, chemical foam

FIRE FIGHTING PROCEDURES

Self - contained respiratory equipment; cool containers to prevent pressure buildup and possible explosion when exposed to extreme heat.
Caution - material is flammable!

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers can explode due to buildup of pressure when exposed to extreme heat. Vapors may cause a flash fire or ignite explosively. Vapors may travel a considerable distance to a source of ignition and flash back.

HAZARDOUS COMBUSTION PRODUCTS

Smoke, fumes, oxides of carbon

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CAUTION - FLAMMABLE - Evacuate and ventilate area; remove all sources of sparks, ignition and open flames; confine and absorb into approved absorbent; place material into approved containers for disposal; do not wash to sewer or waterway.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. CAUTION - FLAMMABLE - keep away from all sources of ignition. "Empty" containers may contain residue which may form explosive vapors. Do not weld or cut near empty container that has not been professionally reconditioned. Use non-sparking tools when opening and closing containers. Maintain well ventilated work areas to minimize exposure when handling this material.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment. See Section 2 for Component Exposure Guidelines.

PERSONAL PROTECTION:

RESPIRATORY PROTECTION: Not ordinarily required, however, NIOSH approved respirator recommended to prevent overexposure. For exposure limits please see Section 3. Refer to 29 CFR 1910.134, ANSI Z88.2, or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES: Recommended for general protection

EYE PROTECTION: Protective eyeglasses or chemical safety goggles. Refer to 29 CFR 1910.133, ANSI Z87.1, or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyebath nearby

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Blue flowable paste, slight alcohol odor	VAPOR DENSITY (AIR = 1) > 1
SPECIFIC GRAVITY (WATER = 1) 1.300	EVAPORATION RATE (Water = 1) < 1
SOLUBILITY IN WATER Appreciable	% VOLATILE (BY WEIGHT) Approximately 30%
pH Not applicable	VAPOR PRESSURE 44 mm Hg @ 20° C
BOILING POINT 172.4° F (78° C)	FREEZING POINT Not determined
VISCOSITY Paste	VOLATILE ORGANIC COMPOUNDS (VOC's) 28%

SECTION 10 - STABILITY AND REACTIVITY

STABILITY UNSTABLE: STABLE: X	CONDITIONS TO AVOID: Extreme temperatures, open flames, sparks
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.	
HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: X	CONDITIONS TO AVOID: None

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD50 of Ingredient Species and Route	LC50 of Ingredient Species
Ethanol (a)	64-17-5	200-578-6	1501 mg / kg Oral - rat	124.7 mg / L / 4H Inhalation - rat
Tetraethylene glycol	112-60-7	203-989-9	28,900 µl / kg Oral - rat	Not established
Talc, respirable dust	14807-96-6	238-877-9	Not established	Not established
Isopropyl alcohol	67-63-0	200-661-7	5840 mg / kg Oral - rat	22,500 ppm / 4H Inhalation - rat

SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. This product may produce hazardous vapors or fumes in a closed disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Adhesives

DOT HAZARD CLASS / Pack Group: 3 / II	IATA HAZARD CLASS / Pack Group: 3 / II
REFERENCE: 49 CFR 173.150, .173, .242	IMDG HAZARD CLASS: 3 / II
UN / NA IDENTIFICATION NUMBER: UN 1133	RID/ADR Dangerous Goods Code: 3
LABEL: FLAMMABLE LIQUID	UN TDG Class / Pack Group: 3 / II
HAZARD SYMBOLS: F	Hazard Identification Number (HIN): 33

Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

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SECTION 15 - REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories
 Fire hazard, immediate health

313 Reportable Ingredients:
 None

CERCLA (Comprehensive Response Compensation and Liability Act)

None

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.

CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: B2, D2A, D2B

IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 3.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

WGK Water Quality Index: 1

VbK Index: A I

Risk Phrases

R11 Highly flammable
 R20 Harmful by inhalation
 R36/38 Irritating to eyes and skin.

SYMBOL(S) REQUIRED FOR LABEL

Flammable Irritant

Safety Phrases

S16 Keep away from sources of ignition
 S23 Do not breathe vapor
 S25 Avoid contact with eyes
 S28 After contact with skin, wash immediately with plenty of soap and water.
 S29 Do not empty into drains

SECTION 16 - OTHER INFORMATION

Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on Information from similar products, the ingredients, technical literature, and/or professional experience.

HMIS HAZARD RATINGS

HEALTH	1	* = Chronic Health Hazard	2 = MODERATE
FLAMMABILITY	3	0 = INSIGNIFICANT	3 = HIGH
PHYSICAL HAZARD	0	1 = SLIGHT	4 = EXTREME

PERSONAL PROTECTIVE EQUIPMENT G Safety Glasses, Gloves, Vapor Respirator

REVISION SUMMARY:

This MSDS has been revised in the following sections:
 Format update; Section 14, DOT classification

MSDS Prepared by:

ChemTel Inc.
 1305 N. Florida Ave.
 Tampa, Florida USA 33602
 (888) 255-3924 Intl. 01+ (813) 248-0573 www.chemtelinc.com

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.