

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

Page 1 of 4

MANUFACTURER'S NAME

Highside Chemicals, Inc.

DATE PREPARED: March 1, 2010

SUPERSEDES: July 22, 2002

ADDRESS (NUMBER, STREET, P.O. BOX)

11114 Reichhold Road

TELEPHONE NUMBER FOR INFORMATION

(228) 896-9220

(CITY, STATE AND ZIP CODE)

Gulfport, MS 39503

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.

| MATERIAL SAFETY DATA SHEET | | | |
|---|---|-----------------------------|------------------------------|
| PRODUCT NAME: LEAK LOCK March 1, 2010 | | | Page 2 of 4 |
| 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 AUTOIGNITION TEMPERATURE: | LEL: 3.3% Not determined | UEL: 19.0% 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. | | | |

| MATERIAL SAFETY DATA SHEET | | | | |
|--|------------|--|---|---------------------------------------|
| PRODUCT NAME: LEAK LOCK March 1, 2010 | | | | Page 3 of 4 |
| 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. | | | | |

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: LEAK LOCK
March 1, 2010

Page 4 of 4

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.