

Material Safety Data Sheet F26 CONSTRUCTION ADHESIVE REVISED: 050707

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Product Name: F26 Construction Adhesive

CAS NUMBER: None

HAZARD RATING:

Health: 2 Fire: 3 REACTIVITY: 0

MANUFACTURER: Leech Products, Inc.
1430 West Fourth Street
Hutchinson, KS 67504-2147

EMERGENCY PHONE: 800-424-9300 CHEMTREC

INFORMATION PHONE: 620.669.0145

PRODUCT CLASS: Solvent mastic

DIVISION: Construction Adhesives and Sealants

SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

HAZARD INGREDIENTS		%
Acetone	CAS #67-64-1	13.35
Hexane	CAS #110-54-3	13.18
Toluene	CAS #108-88-3	8.31

OSHA PELs and ACGIH TLVs are listed in SECTION 8 where applicable . All components of this product are listed on the TSCA inventory except as exempted.

SECTION 3- HAZARD IDENTIFICATION

NOTE: Repeated and prolonged overexposure to the mixture of solvent(s) listed in SECTION 2 can result in systemic effects including permanent brain, nervous system, liver and kidney damage. Intentional misuse by deliberately concentration and inhaling the contents may be harmful or fatal.

EMERGENCY OVERVIEW:

Product is a beige, medium viscosity mastic. DANGER: EXTREMELY FLAMMABLE. VAPOR HARMFUL. CONTAINS ACETONE, TOLUENE and HEXANE. Vapors can cause flash fire. Vapors can ignite explosively. Prevent buildup of vapors by opening all windows and doors to create cross-ventilation. Keep away from heat, sparks and open flame. Do not smoke. Turn off stoves, heaters and sparking electric motors. Keep container tightly closed when not in use. Avoid prolonged breathing of vapors. KEEP OUT OF REACH OF CHILDREN.

ROUTES OF ENTRY: Inhalation, skin, eye. Ingestion

INHALATION: Avoid breathing vapor or mists. May cause headaches and dizziness. High vapor concentrations are irritating to the nose, throat and lungs and can cause systemic effects. Prolonged or repeated inhalation may cause lung damage. May cause allergic reaction-. Vapors can readily accumulate in confined or poorly ventilated area.

INGESTION: No hazard expected in normal industrial use. Do not eat, drink or smoke around chemicals. Follow good hygiene practices. **SKIN:** May be harmful if absorbed through skin, may produce kidney, liver and central nervous system damage. A single exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

MSDS for: F26 WATERPROOF CONSTRUCTION ADHESIVE

EYE: Substance may cause severe eye irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Medical condition associated with target organs may be aggravated by exposure. **CARCINOGENICITY:** None listed.

TARGET ORGANS: Prolonged or repeated overexposure may cause eye, skin, respiratory system, central nervous system, peripheral nervous system, liver and kidney damage.

REPRODUCTIVE TOXICITY: Toluene may be harmful to the human fetus based on positive test results with laboratory animals. Case studies show that prolonged intentional abuse of toluene during pregnancy can cause birth defects in humans.

SECTION 4- FIRST AID MEASURES

Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias (irregular beating) in persons exposed to high concentrations of hexane (e.g. in enclosed spaces or with deliberate abuse) .If used, monitor heart action closely. Consider use of other drugs with less arrhythmogenic potential.

INHALATION: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen by trained personnel.

INGESTION: Call poison control center immediately. Follow their specific instructions.

DO NOT INDUCE VOMITING. Aspiration into lungs may cause chemical pneumonitis.

SKIN: Wash with soap and water. Contact a physician if irritation develops or persists.

EYE: Hold eyelids apart and flush with plenty of water at least 15 minutes. Seek medical attention.

SECTION 5- FIREFIGHTING MEASURES

FLAMMABILITY CLASS (OSHA): IB

FLASH RANGE: Less than 0 deg. F Setflash

EXPLOSIVE RANGE:

LOWER EXPLOSIVE LIMIT: 1.2%

UPPER EXPLOSIVE LIMIT: 12.8%

Flammable liquid. Can explosive mixtures at temperatures at or above the flashpoint.

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or dry chemical when fighting fires involving this product.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon may be released during combustion.

FIREFIGHTING PROCEDURES: Wear a NIOSH/MSHA approved self-contained breathing apparatus. Wear appropriate personal protective equipment. Water may be ineffective, but may be used to cool exposed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

SECTION 6- ACCIDENTAL RELEASE MEASURES

CONTAINMENT TECHNIQUES: Use inert absorbent to dike the spill. Keep away from drains

CLEAN-UP: If possible pump liquid into an approved container or spread absorbent over spill and shovel (use non-sparking equipment) product/absorbent mixture into an approved container. If product has dried, scrape up and place in an approved container.

EMERGENCY MEASURES: Isolate hazard area. Keep unnecessary and unprotected personnel from entering area. Wear all appropriate personnel protection equipment (PPE) (SECTION VIII) .

SECTION 7- HANDLING AND STORAGE

HANDLING: Open container in well ventilated area. Avoid breathing vapors from the headspace of containers. Empty drums should be completely drained.

MSDS for: F26 WATERPROOF CONSTRUCTION ADHESIVE

properly bunged and promptly returned to a re-conditioner or properly disposed of. Keep lid closed when not in use. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in well ventilated area. Always use with positive pressure cross-ventilation. Follow all MSDS/label precautions even after container is emptied. Containers may retain product residues and vapors. Avoid prolonged or repeated contact with the skin.

STORAGE: Keep away from sources of ignition. Do not store above 110 deg. F. Store large quantities in buildings designed and protected for storage of NFPA Class 1-B flammable materials.

PRECAUTIONARY STATEMENT: Keep out of reach of children.

DANGER: EXTREMELY FLAMMABLE. VAPOR HARMFUL. Vapors can cause flash fire. Contains acetone, toluene and hexane. Vapors may ignite explosively. Prevent buildup of vapors by opening all windows and doors to create cross-ventilation. Keep away from heat, sparks and open flame. Do not smoke. Turn off stoves, heaters and sparking electric motors. Keep away from all sources of ignition until all vapors are gone. Keep container tightly closed when not in use. Avoid prolonged breathing of vapors. KEEP OUT OF REACH OF CHILDREN.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
Acetone	500.00 ppm	N/E	1000.00 ppm	N/E	1000.00 ppm
Hexane	50.00 ppm	N/E	N/E	N/E	500.00 ppm
Toluene	20.00 ppm	N/E	N/E	N/E	200.00 ppm

The OSHA Ceiling for toluene is 300 ppm.

ENGINEERING CONTROLS: Use local exhaust as needed to maintain occupational exposure limits. Maintain standard plant ventilation.

OTHER: Facilities storing or utilizing any chemical should be equipped with an eyewash facility and a safety shower.

RESPIRATORY PROTECTION: Where exposure limits are exceeded select a NIOSH/MSHA approved respirator with appropriate Protection Factor and cartridge for the specific containments. Follow requirements for respiratory protection in OSHA 1910.134.

EYE PROTECTION: Wear splash proof safety eye protection if splashing or misting of product may occur. Chemical splash goggles (ANSI Z87.1 or approved equivalent.)

SKIN PROTECTION: Where repeated or prolonged contact can occur, wear impervious gloves.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

FORM: MASTIC

APPEARANCE/COLOR: Beige

ODOR: Solvent

SOLUBILITY (IN WATER): Nil

pH VALUE: N/A

BOILING RANGE: 121 deg. F

EVAPORATION RATE: Faster than n-Butyl Acetate % VOLATILE: 34%

SPECIFIC GRAVITY: 1.06

VOC (CALIFORNIA RULE 1168): 282 g/l

SECTION 10- STABILITY AND REACTIVITY

STABILITY: This product is stable.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

CONDITIONS TO AVOID: Heat, sparks, open flame. **INCOMPATIBILITY:** Water based material. Strong oxidizing agents, acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION 11- TOXICOLOGICAL INFORMATION

ACETONE:

ACUTE: Acetone has a low order of acute and inhalation toxicity. Acetone is a slight skin irritant and moderately severe eye irritant. Excessive inhalation can cause headache, drunkenness and weakness.

CHRONIC: Kidney damage and anemia can result from sustained high-level exposure. Acetone is reported to potentiate the liver toxicity of chloroform.

HEXANE:

ACUTE: Ingestion of hexane can cause nausea, vomiting, stomach pain and diarrhea. Hexane can irritate the skin and eyes. Acutely, the most common toxic effects are central nervous system depression and chemical pneumonitis resulting from aspiration into the lungs following ingestion.

CHRONIC: Dermal irritation and central nervous system depression accompanied by peripheral system damage (polyneuropathy) are common traits of sustained overexposure.

TOLUENE:

ACUTE: Toluene is a central nervous system depressant and skin mucous membrane irritant. Severe dermatitis may result from its drying and defatting action. Toluene is an aspiration hazard causing chemical pneumonitis.

CHRONIC: Toluene can cause cardiac sensitization. It is toxic to the kidney, liver and can cause effects on the blood system such as increased clotting time.

SECTION 12- ECOLOGICAL INFORMATION

This formulation has not been tested for environmental effects.

SECTION 13- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Disposal of this product must comply with all applicable federal, state and local regulations.

CONTAINER DISPOSAL: Disposal of this container should comply with all applicable Federal, State and Local regulations.

SECTION 14- TRANSPORT INFORMATION

DOT:

UN NUMBER: None

UN PACK GROUP: Not applicable

ICAO/IATA CLASS: 3 (*See Notes)

SHIPPING NAME: Consumer Commodity

UN CLASS: ORM-D

IMDG CLASS: 3.1, pg 3102

*Packaging is not approved for shipping by air.

SECTION 15- REGULATORY INFORMATION

SARA TITLE III SECTION 313: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

CHEMICAL NAME		%
Hexane	CAS #110-54-3	13.18
Toluene	CAS #108-88-3	8.31

PROP 65 (TERATOGEN): WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

CHEMICAL NAME		%
Toluene	CAS #108-88-3	8.31

- Prop 65 (TERATOGEN)

- WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

Chemical Name	CAS Number	Percent
Toluene	108-88-3	8.31

TSCA (Toxic Substances Control Act Inventory):

All components of this product are listed on the TSCA inventory except as exempted.

PENNSYLVANIA: HAZARDOUS COMPONENTS REQUIRED TO BE LISTED AS 1% OR MORE:

Acetone; 2-propanone: 67-64-1

Toluene: benzene: methyl-: 108-88-3

Kaolin clay: kaolin; 1332-58-7

Hexane; hexane; 110-54-3

Crystalline silica; quartz; 14808-60-7

NON-HAZARDOUS COMPONENTS REQUIRED TO BE LISTED AT 3%:

Petroleum hydrocarbon resin 68131-99-7; petroleum

hydrocarbon resin 68132-00-3; styrene-butadiene rubber 9003-55-8

NEW JERSEY:

Clay 1332-56-7; petroleum hydrocarbon resin 68131-99-7; styrene-butadiene rubber 9003-55-8; acetone 67-64-1; hexane 110-54-3

SECTION 16- OTHER INFORMATION

REVISION SUMMARY: MSDS revised to follow XVI SECTION format. N/A=Not applicable N/E=Not established

DISCLAIMER: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, LEECH PRODUCTS, INC., makes no warranty express or implied, with respect thereto and disclaims all liability from reliance thereon.

This information is based on our research and on other data from other reliable sources and are believed to be accurate. No guaranty of accuracy is made. It is the purchasers' responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purpose.