



Safety Data Sheet CONKLIN COMPANY, INC.

Date Prepared: 1/20/14

SDS Number: 4094

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Flexion™ Bonding Adhesive	General Use Roofing seam adhesive
Manufacturer's Name Conklin Company	Emergency Telephone Numbers Health: (888) 786-0974 Transport: (800) 424-9300
Address (Number, Street, City, State and Zip) 551 Valley Park Drive Shakopee, MN 55379	Phone Number for Additional Information (952) 445-6010 Website: www.conklin.com

SECTION 2 - HAZARDS IDENTIFICATION



Signal Word:	Danger
Hazard statements:	Extremely flammable liquid and vapor. Toxic if swallowed or inhaled. Solvents may be absorbed through skin. Causes skin irritation and serious eye irritation.

Precautions: Keep away from heat, sparks, pilot lights, open flames, static electricity, or other sources of heat or ignition. - No smoking.
Use explosion-proof equipment when handling.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing mist, vapors and spray.
Use only outdoors or in a well ventilated area.
Do not eat, drink or smoke when using this product.
Wear gloves, safety glasses or goggles, and long-sleeved clothing when handling.
Wash hands thoroughly after handling.
Keep container tightly closed.

Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
If swallowed: Immediately call a physician or Poison Control Center.
Rinse Mouth.
If on skin or hair: Immediately take off all contaminated clothing. wash skin with soap and water.
If skin irritation occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
In case of fire: Use foam, dry chemical or CO2 to extinguish.

Potential Health Effects, Based on Individual Components (May Vary Among Individuals)

Eye: Liquid, fumes, mists, or vapors may cause irritation.
Skin: Liquid, fumes, mists, or vapors may cause irritation. May be absorbed through skin. May cause damage to central nervous system, including coma and death, if absorbed through skin.
Ingestion: Liquid, fumes, mists, or vapors may cause irritation. May cause damage to central nervous system including coma and death.
Inhalation: Liquid, fumes, mists, or vapors may cause irritation. May cause damage to central nervous system, including coma and death.

Medical conditions aggravated by exposure:

May aggravate pre-existing liver, kidney, or heart conditions. Prolonged intentional abuse may lead to damage to many organ systems.

Chronic effects: Carcinogenicity: Contains Ethylbenzene (IARC-2B); Toluene.
IARC-2B = The chemical is possibly carcinogenic to humans.
See Section 15 for California Proposition 65 information.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percent by Weight
Toluene	108-88-3	30% to 40%
Acetone	67-64-1	20% to 30%
Aliphatic Petroleum Distillates	64742-89-8	10% to 20%
Polymer Trade Secret	Proprietary	10% to 20%
Synthetic Rubber Trade Secret	Proprietary	5% to 10%
Phenolic Resin Trade Secret	Proprietary	1% to 5%
Xylene	1330-20-7	1% to 5%
Ethylbenzene	100-41-4	0.1% to 1.0%

See Section 8 for exposure guidelines.

SECTION 4 - FIRST AID MEASURES

EYES: Quickly and gently blot or brush chemical off the face. Immediately flush the contaminated eye(s) with clean, lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens until after flushing is complete. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.

SKIN: As quickly as possible, remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts). Quickly and gently, blot or brush away excess chemical. Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes. If irritation persists, repeat flushing. Obtain medical advice. Store contaminated clothing in a manner to prevent spontaneous combustion. Completely decontaminate clothing, shoes, and leather goods before reuse, or discard.

INGESTION: Never give anything by mouth to a victim who is rapidly losing consciousness, is unconscious, or is convulsing. Have victim rinse mouth thoroughly with water. Do NOT induce vomiting. Have victim drink a glass of water (2 to 8 ounces or 60 to 240 mL). Immediately obtain medical attention.

INHALATION: This product is (extremely) flammable. Take proper precautions (e.g. remove any sources of ignition). Remove source of contamination or move victim to fresh air. Obtain medical advice.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: <0°F

EXINGUISHING MEDIA: Foam, dry chemical, CO2.

SPECIAL FIRE FIGHTING PROCEDURES: Limit use of water spray to cool containers and to protect personnel. Water may not be effective to extinguish a fire involving this material. Vapors are heavier than air and may be ignited after traveling considerable distances, causing flashback or explosion. Firefighters should use approved self-contained breathing apparatus and full turn-out (Bunker) gear when fighting fires involving chemicals, to protect against possible toxic fumes or vapors. Cool and use caution when approaching fire-exposed containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURE: Use personal protection recommended in Section 8. Remove all sources of ignition, including sparks and static electricity. Use non-sparking, explosion-proof tools and equipment. Do not vacuum. Ventilate area thoroughly. Stay upwind. Isolate area from unprotected personnel. Dike to prevent spill from spreading. Collect with compatible absorbent material and place in metal container with tight fitting cover. Floor may be slippery - use care and clean thoroughly. Keep out of sewer, septic system, ground water, and open waters. Notify federal, state and local authorities, as applicable.

SECTION 7 - HANDLING AND STORAGE

STORAGE TEMPERATURE: Store above 40 °F and below 80 °F.

HANDLING AND STORAGE PRECAUTIONS: Use personal protection recommended in Section 8. Do not cut, weld, drill, or otherwise expose empty or full containers to heat, sparks, pilot lights, open flames, static electricity, or other sources of heat or ignition. Open containers slowly in case of pressure accumulation. Bond and ground containers and equipment during transfer. Vapors are/may be heavier than air and may cause ignition away from storage or handling location. Use non-sparking tools. Protect from direct sunlight. Store in dry, cool, ventilated area in tightly closed containers out of the reach of children. Do not store on side. Avoid creasing or impacting container sidewalls. Empty containers may be hazardous. Do not eat, drink, or smoke in chemical use or storage areas. Wash hands after handling and before eating, drinking, or smoking. Do not rub eyes with soiled hands. See Section 10 for metals or other materials to avoid.

SECTION 8 - PERSONAL PROTECTION/EXPOSURE CONTROLS

ENGINEERING CONTROLS: Provide sufficient general and local explosion-proof exhaust ventilation to maintain safe exposure levels. Take measures to minimize exposure. Provide a source of clean water for flushing eyes and skin.

EYE PROTECTION REQUIREMENTS: Use ANSI-approved eye protection (e.g. safety glasses, goggles), as required by work conditions. Use ANSI-approved chemical splash goggles and face shield if splashing may occur.

SKIN PROTECTION REQUIREMENTS: Chemical-resistant gloves and clothing, as needed, to prevent skin contact. Wash hands before eating, drinking, or smoking.

RESPIRATORY PROTECTION: To protect against inhalation, a NIOSH-approved air-purifying respirator with organic vapor cartridges and dust/mist pre-filters may be permissible. Use a dust/mist filter or pre-filter if spraying. Use a positive pressure air-supplied respirator for unknown or uncontrolled situations, or when air-purifying respirators may not provide adequate protection.

AIRBORNE EXPOSURE LIMITS

Components	OSHA PEL/TWA	ACGIH TLV/TWA	STEL
Toluene	TWA 200 ppm (c) 300 ppm 500 ppm (10-minute maximum peak)	TWA 50 ppm	150 ppm
Acetone	750 ppm (1800 mg/m ³)	TWA: 500 ppm	1000 ppm (2400 mg/m ³)
Xylene	TWA 100 ppm (435 mg/m ³)		
Ethylbenzene	TWA 100 ppm (435 mg/m ³)		

Definitions:

- PEL = Permissible Exposure Limit
- TLV = Threshold Limit Value
- TWA = Time-weighted average (8 hour day)
- STEL = Short term exposure limit (15 minutes), no more than 60 min./day
- (c) = Ceiling (not to be exceeded under any condition)
- (s) = Skin

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Viscous liquid	Solubility in Water:	Insoluble
Color:	Clear	Specific Gravity (Water = 1):	0.88
Odor:	Solvent	Evaporation Rate (Butyl Acetate = 1):	> 1
Boiling Range:	133°F	Vapor Pressure (mm Hg):	185 mm Hg @68°F
pH:	Not applicable	Vapor Density (Air = 1):	> 1

SECTION 10 – REACTIVITY

Stability:	Stable under anticipated storage and handling conditions.
Hazardous Polymerization:	Will not occur.
Incompatibilities (Materials to Avoid):	Avoid strong oxidizers, such as chlorine, open flames, sparks and excessive heat.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, and various hydrocarbons.

SECTION 11 - TOXICOLOGICAL INFORMATION

Product not tested as a whole. Refer to Section 3 for potential health effects.

SECTION 12 – ECOLOGICAL INFORMATION

Product not tested as a whole. Refer to Section 6 for information regarding accidental releases. Keep out of trash, water, sewer, and drainage systems.

SECTION 13 - DISPOSAL CONSIDERATIONS

Recycle or dispose of contents and empty containers according to federal, state and local regulations. Keep out of trash, water, sewer, and drainage systems. Oils and solvents may be recycled, incinerated, or fuel blended at an EPA-permitted facility.

SECTION 14 - TRANSPORTATION INFORMATION

Proper Shipping Name: Adhesives, UN1133, 3, II
For additional information, please consult Conklin's Document Library at <http://www.conklin.com/library/index.cfm> or call the Transportation Department at (952) 445-6010.

SECTION 15 - REGULATORY INFORMATION

California Proposition 65 statement: This product does NOT contain chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.
Does not contain any chemicals subject to the reporting requirements of SARA Title III, Section 313 (40 CFR Part 372) above de minimis concentrations.

SECTION 16 - OTHER INFORMATION

This document replaces the 1/3/11 version. All Safety Data Sheets were updated to GHS standards.

The information contained in this Safety Data Sheet is based on data available to us from suppliers, and is believed to be true and correct; however, Conklin makes no warranty, express or implied, regarding the accuracy of this data or results obtained from the use of this product. Conklin and its employees assume no responsibility for injury or damage from the use of this product.