SECTION 1 · COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: Flexbond 1110
Product Description: Adhesive

COMPANY IDENTIFICATION

Supplier: **Chemline Industries, Inc.**
2022 Ft. Worth Hwy
Weatherford, Texas 76086

24 Hour Emergency Telephone: (800)-424-9300 CHEMTREC
General Information: (817) 594-6473

SECTION 2· HAZARDS IDENTIFICATION

GHS Classification:

[Health]	[Environmental]	[Physical]
Skin irritation Category 2		Carcinogenicity Category 2
Eye irritation Category 2A		

GHS Label elements, including precautionary statements

Pictograms

Signal Word: Warning

Hazard statement(s)

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H373 May cause damage to organs (Liver, Blood) through prolonged or repeated exposure if swallowed.
H373 May cause damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.

Precautionary statement(s)

P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Methylene chloride	75-09-2	60-65%
Alkanes, C9-11-iso	68551-16-6	6%

SECTION 4 · FIRST AID MEASURES

FIRST AID PROCEDURES:

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention if symptoms appear.
Skin Contact: Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation develops.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms appear.
Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if symptoms appear.

SECTION 5 · FIRE FIGHTING MEASURES

Suitable Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Hazardous combustion products: Oxides of Carbon, hydrogen chloride and phosgene.
Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Unusual Fire and Explosion Hazards: Explosive mixtures of dichloromethane and air can be formed, but are difficult to ignite and require high intensity sources of heat to combust.

SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

Spills: Provide adequate ventilation. Evacuate all non-essential personnel from the spill area. Use personal protective equipment. Avoid breathing vapors, mist or gas. Shut off or plug source of spill. Small spills: absorb on inert media and collect into suitable container.
Salvage as much re-useable liquid as possible into a suitable container. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations

SECTION 7 · STORAGE AND HANDLING

Handling: Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed and tightly sealed when not in use.
Storage: Store in a cool, dry, ventilated area, away from incompatible substances. Store only in approved properly labeled containers. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide adequate ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

Exposure Limits:	Methylene chloride	50 ppm ACGIH	25 ppm OSHA
	Alkanes, C9-11 iso	500 ppm ACGIH	500 ppm OSHA

Personal Protective Equipment (PPE):

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.
Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.
Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.
Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR
1920.134. In confined areas, use a self-contained breathing apparatus.

SECTION 9· PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: Tag Closed Cup ASTM D56: None
Auto ignition Temperature: 1,033 ^{O}F
Boiling Point: 104 ^{O}F
Melting Point/Freezing Point: 210^{o}F/-142.6 ^{O}F
Vapor Pressure: 353 mmHg
Vapor Density (Air-1): 2.93
Odor/Appearance: Clear or red liquid with penetrating odor.
Flammability Limits: Lower: 12 Upper: 19
Specific Gravity: 1.140
Volatile %: 60-70%
Evaporation Rate (n-Butyl Acetate=1): 7.85
pH: Not Applicable
Solubility in Water: Negligible
Viscosity: 150 cps @ 78^{o} F

SECTION 10 · STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.
Conditions to Avoid: Keep away from heat, flame and other potential ignition sources.
Incompatible Materials: Alkali metals, Aluminum, Strong oxidizing agents, Bases, Amines, Magnesium, Strong acids and strong bases, Vinyl compounds
Hazardous Polymerization: Will not occur.

SECTION 11 · TOXILOGICAL INFORMATION

Signs and Symptoms of Overexposure:
Skin: Slight to mildly irritating. Can be absorbed through the skin.
Eyes: Vapors may be irritating. Irritation accompanied by redness and tearing.
Inhalation: High vapor concentrations may be irritating to respiratory system. Breathing of vapor may cause headaches, irritation of throat and may cause central nervous system depression.
Ingestion: May cause gastric distress, diarrhea and vomiting. Harmful or fatal if swallowed in a large quantity.
Acute oral toxicity: LD50 rat: > 2,000 mg/kg
Acute inhalation toxicity: LC50 rat: 52,000 mg/m3
Acute dermal toxicity: LD50 rabbit: > 2,000 mg/kg

SECTION 12 · ECOLOGICAL INFORMATION

Aquatic Toxicity: Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 193.00 mg/l - 96 h
Bio-accumulative potential: No available published data.
Mobility: No available published data.

SECTION 13 · DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 · TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name:	Dichloromethane
Hazard Class	6.1
UN Number:	1593
Packaging Group:	III

SECTION 15 · REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)
This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material is 1000 pounds. If appropriate, immediately report to the National Response Center (800/424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:
Acute Health Hazard, Chronic Health Hazard

SARA Section 313 (40 CFR 372) Hazard Categories:
The following components are subject to reporting levels established by SARA Title III, Section 313: Methylene Chloride

Clean Water Act: Dichloromethane in this product is listed as Hazardous Substances under the CWA

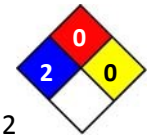
Clean Air Act: Dichloromethane in this product is listed as Hazardous Substances under the CCA.

California Prop 65: This product contains Methylene Chloride a chemical known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 · OTHER INFORMATION

MSDS Revision Date: June 1, 2015

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.



Health: 2
Flammability: 0
Reactivity: 0
0 (Minimal)
1 (Slight)
2 (Moderate)
3 (Serious)
4 (Severe)

Disclaimer of Expressed and Implied Warranties:
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