Chemlock AP-134
Delcrete®/Delpatch Primer

SAFETY DATA SHEET

REV 08/25

Section 1. Identification

Trade Name	:	Chemlock AP-134 - Delcrete® Delpatch Primer
Identified Uses	:	Primer for Adhesives
Effective Date	:	8/22/2025
Supersedes Date	:	3/13/2020
Supplier	:	The D.S. Brown Company 300 East Cherry Street North Baltimore, Ohio 45872
In Case of Emergency	:	Chemtrec 1-800-424-9300 International 01-703-741-5500

Section 2. Hazards Identification

Classification of the Substance or Mixture:	:	Flammable liquids	Category 2
		Acute toxicity Inhalation – dust and mist	Category 4 – 18.0% of the mixture consists of ingredient(s) of unknown toxicity.
		Acute toxicity Inhalation – vapors	Category 4 – 18.0% of the mixture consists of ingredient(s) of unknown toxicity.
		Skin corrosion/irritation	Category 2
		Serious eye damage/eye irritation	Category 1
		Germ cell mutagenicity	Category 1B
		Carcinogenicity	Category 1A
		Reproductive toxicity	Category 2
		Specific target organ systemic toxicity (single exposure)	Category 3
		Specific target organ systemic toxicity (single exposure)	Category 1
		Specific target organ systemic toxicity (repeated exposure)	Category 2 – blood, nervous system
		Specific target organ systemic toxicity (repeated exposure)	Category 1 – central nervous system, kidney, liver, ears
		Aspiration hazard	Category 1
		Hazardous to the aquatic environment - acute hazard	Category 2
		Hazardous to the aquatic environment - chronic hazard	Category 2

Label Elements

GHS Label Elements

The product is classified and labeled according to the Globally Harmonized System

Section 2. Hazards Identification *cont'd.*

Signal Word : **Danger**

Hazard Statements : Highly flammable liquid and vapor.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye damage.
May cause genetic defects.
May cause cancer.
Suspected of damaging fertility or the unborn child.
May cause harm to breast-fed children.
May cause drowsiness or dizziness.
May cause respiratory irritation.
Causes damage to organs. (Central nervous system, blood, kidney, liver)
May cause damage to organs through prolonged or repeated exposure. (Blood, nervous system)
Causes damage to organs through prolonged or repeated exposure. (Central nervous system, kidney, liver, ears)
May be fatal if swallowed and enters airways.
Toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.

Response : In case of fire: refer to section 5 of SDS for extinguishing media.
Immediately call a poison center or doctor/physician.
Specific treatment (see supplemental first aid instructions on this label).
If inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing.
If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Section 2. Hazards Identification *cont'd.*

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Do NOT induce vomiting.

Collect spillage.

Storage : Store in a well-ventilated place. Keep cool.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal : Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

Other Hazards

This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).

Acute : Vapor harmful; may affect the brain or nervous system causing dizziness, headache or nausea. May be absorbed through the skin in harmful amounts. Possible irritation of the respiratory system can occur causing a variety of symptoms such as dryness of the throat, tightness of the chest, and shortness of breath. May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma. May cause headache and nausea. Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Chronic : Prolonged or repeated contact may result in dermatitis. ACGIH considers Ethyl alcohol to be an A3 carcinogen (confirmed animal carcinogen with unknown relevance in humans).

Section 3. Composition/Information on Ingredients

Chemical Name	CAS No.	Range
Toluene	108-88-3	70–75%
N-Butanol	71-36-3	1–5%
2-Butoxyethanol	111-76-2	1–5%
Ethyl Alcohol	64-17-5	1–5%

Any "PROPRIETARY" component(s) in the above table is considered trade secret, thus the specific chemical and its exact concentration is being withheld.

Section 4. First Aid Measures

DESCRIPTION OF FIRST AID MEASURES

After Eye Contact : Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

After Skin Contact : Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

After Inhalation : Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

After Ingestion : If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

DESCRIPTION OF INFORMATION FOR DOCTOR

Most Important Symptoms/ Effects, Both Acute and Delayed : No further relevant information available.

Indication of Any Immediate Medical Attention and Special Treatment Needed : No further relevant information available.

Section 5. Fire-Fighting Measures

EXTINGUISHING MEDIA

Suitable Extinguishing Media : Carbon Dioxide, Dry Chemical, Foam, Water Fog

Specific Hazards Possibly Arising from the Chemical : Flammable liquid and vapor. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, open flame, and other sources of ignition. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

ADVICE FOR FIREFIGHTERS

Protective Equipment : Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). Water spray may be ineffective. If water is used, fog nozzles are preferable.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures	:	Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid contact. Avoid breathing vapors. Use self-contained breathing equipment.
Environmental Precautions	:	Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.
Methods and Materials for Containment and Cleanup	:	Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Contain and remove with inert absorbent material.

Section 7. Handling and Storage

HANDLING

Precautions for Safe Handling	:	Keep closure tight and container upright to prevent leakage. Ground and bond containers when transferring material. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapors, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Requirements to be Met by Storerooms and Receptacles	:	Do not store or use near heat, sparks or open flame. Refer to OSHA 29CFR Part 1910.106 “Flammable and Combustible Liquids” for specific storage requirements. Store only in well-ventilated areas. Do not puncture, drag or slide container. Keep container closed when not in use.
Incompatibility	:	Strong acids, bases, and strong oxidizers.

Section 8. Exposure Controls/Personal Protection

Component Exposure Limit

Chemical Name	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING	SKIN
Toluene	20 ppm	N.E.	200 ppm	300 ppm	N.A.
N-Butanol	20 ppm	N.E.	300 mg/m3 100 ppm	N.E.	S
2-Butoxyethanol	20 ppm	N.E.	240 mg/m3 50 ppm	N.E.	S
Ethyl alcohol	N.E.	1,000 ppm	1,900 mg/m3 1,000 ppm	N.E.	N.A.

N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

Engineering Controls : Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Caution: Solvent vapors are heavier than air and collect in lower levels of the work area. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.

EXPOSURE CONTROLS

Personal Protection Measures/Equipment

Breathing Equipment : Use a NIOSH/MSHA approved chemical/mechanical filter respirator designed to remove a combination of particulates and organic vapor if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. Observe OSHA regulations (29 CFR 1910.134) for respirator use.

Protection of Hands : Use neoprene, nitrile or rubber gloves to prevent skin contact.

Eye Protection : Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

Other Protective Equipment : Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.

Hygienic Practices : Wash hands before eating, smoking or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

Section 9. Physical and Chemical Properties

Typical values, not to be used for specification purposes.

Appearance		
Form	:	Liquid
Color	:	Clear
Odor	:	Solvent
Odor Threshold	:	N.D.
pH Value	:	N.A.
Physical State	:	Liquid
Flash Point	:	1°C (35°F) Setaflash Closed Cup
Boiling Point Range	:	78–171°C
Auto Ignition Temperature	:	N.D.
Decomposition Temperature	:	N.D.
Solubility in H2O	:	Insoluble
Freeze Point	:	10.8
Coefficient of Water/ Oil Distribution	:	N.D.
Vapor Pressure	:	N.D.
Explosion Limits		
Lower	:	1.1%(V)
Upper	:	19%(V)
Density at 20°C (68°F)	:	0.9 g/cm3 - 7.47 lb/gal
Vapor Density	:	Heavier than air
Evaporation Rate	:	Slower than n-butylacetate
Viscosity		
Dynamic	:	≥0.9 mPa.s @ 25°C
Kinematic	:	≥1 mm2/s @ 25°C
Volatile by Weight	:	87.09%
Volatile by Volume	:	90.37%
VOC Calculated	:	6.5 lb/gal, 779 g/l
Method 24	:	6.87 lb/gallon

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Section 10. Stability and Reactivity

Hazardous Polymerization	:	Hazardous polymerization will not occur under normal conditions.
Stability	:	Product is stable under normal storage conditions.
Conditions to Avoid	:	High temperatures. Sources of ignition.
Incompatible Materials	:	Strong acids, bases, and strong oxidizers.
Hazardous Decomposition Products	:	Carbon monoxide, carbon dioxide.

Section 11. Toxicological Information

Exposure Path : Refer to section 2 of this SDS.

Symptoms : Refer to section 2 of this SDS.

Toxicity Measures

Chemical Name	LD50/LC50
Toluene	Oral LD50: Rat 2,600 mg/kg Dermal LD50: Rabbit 12,000 mg/kg Inhalation LC50: Rat 12.5 mg/l /4 h
N-Butanol	Oral LD50: Rat 790 mg/kg Oral LD50: Rat 700 mg/kg Dermal LD50: Rabbit 3,400 mg/kg Dermal LD50: Rabbit 3,402 mg/kg Inhalation LC50: Rat >8000 ppm/4 h
2-Butoxyethanol	Oral LD50: Rat 470 mg/kg GHS LC50 (vapour): Acute toxicity point estimate 11 mg/l / GHS LC50 (dust and mist): Acute toxicity point estimate 1.5 mg/l /
Ethyl alcohol	Oral LD50: Rat 7,060 mg/kg Inhalation LC50: Rat 124.7 mg/l /4 h

Germ cell mutagenicity : Category 1B - May cause genetic defects.
Components contributing to classification: Ethyl alcohol.

Carcinogenicity : Category 1A - May cause cancer.
Components contributing to classification: Ethyl alcohol.

Reproductive toxicity : Category 2 - Suspected of damaging fertility or the unborn child. May cause harm to breastfed children.
Components contributing to classification: Toluene. 2-Butoxyethanol. Ethyl alcohol. Methanol.

Section 12. Ecological Information

Ecotoxicity

Chemical Name	Ecotoxicity
Toluene	**Fish:** Pimephales promelas 15.22 - 19.05 mg/l96 h flow-through Pimephales promelas 12.6 mg/l96 h Static Oncorhynchus mykiss 5.89 - 7.81 mg/l96 h flow-through Oncorhynchus mykiss 14.1 - 17.16 mg/l96 h Static Oncorhynchus mykiss 5.8 mg/l96 h semi-static Lepomis macrochirus 11.0 - 15.0 mg/l96 h Static Oryzias latipes 54 mg/l96 h Static Poecilia reticulata 28.2 mg/l96 h semi-static Poecilia reticulata 50.87 - 70.34 mg/l96 h Static **Invertebrates:** Daphnia magna 5.46 - 9.83 mg/l48 h Static Daphnia magna 11.5 mg/l48 h **Plants:** Pseudokirchneriella subcapitata > 433 mg/l96 h Pseudokirchneriella subcapitata 12.5 mg/l72 h Static
N-Butanol	**Fish:** Pimephales promelas 1,730 - 1,910 mg/l96 h Static Pimephales promelas 1,740 mg/l96 h flow-through Lepomis macrochirus 100,000 - 500,000 µg/l96 h Static Pimephales promelas 1,910,000 µg/l96 h Static **Invertebrates:** Daphnia magna 1,983 mg/l48 h Daphnia magna 1,897 - 2,072 mg/l48 h Static **Plants:** Desmodesmus subspicatus > 500 mg/l96 h Desmodesmus subspicatus > 500 mg/l72 h

Ecotoxicity (continued)

Chemical Name	Ecotoxicity
2-Butoxyethanol	**Fish:** Lepomis macrochirus 1,490 mg/l96 h Static Lepomis macrochirus 2,950 mg/l96 h **Invertebrates:** Daphnia magna > 1,000 mg/l48 h
Ethyl alcohol	**Fish:** Pimephales promelas > 100 mg/l96 h Static Pimephales promelas 13,400 - 15,100 mg/l96 h flow-through **Invertebrates:** Daphnia magna 9,268 - 14,221 mg/l48 h Daphnia magna 2 mg/l48 h Static

TOXICITY

Persistence and Degradability : Not determined for this product.

BEHAVIOR IN ENVIRONMENTAL SYSTEMS

Bioaccumulative Potential : Not determined for this product.

Mobility in Soil : Not determined for this product.

Other Adverse Effects : Not determined for this product.

Section 13. Disposal Considerations

Recommendation : Disposal should be done in accordance with federal (40 CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

Section 14. Transport Information

US DOT Road

- **DOT Proper Shipping Name** : Adhesives
- **DOT Hazard Class** : 3
- **Secondary Hazard** : None
- **DOT UN/NA Number** : 1133
- **Packing Group** : II
- **Emergency Response Guide Number** : 128

IATA Cargo

- **Proper Shipping Name** : Adhesives
- **DOT Hazard Class** : 3
- **Hazard Class** : None
- **UN-Number** : 1133
- **Packing Group** : II
- **EMS** : 3L

Section 14. Transport Information (continued)

IMDG

Proper Shipping Name	:	Adhesives
DOT Hazard Class	:	3
Hazard Class	:	None
UN-Number	:	1133
Packing Group	:	II
EMS	:	F-E

The listed transportation classification applies to US DOT Road, IATA Cargo, and IMDG non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. For the most accurate shipping information, refer to your transportation/compliance department.

Section 15. Regulatory Information

U.S. Federal Regulations : As follows

SARA Section 313 : This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372.

Chemical Name	CAS Number	Weight % Less Than
Toluene	108-88-3	75.0%
N-Butanol	71-36-3	5.0%
2-Butoxyethanol	111-76-2	5.0%

TSCA (Toxic Substances Control Act)

Inventory Status : The chemical substances in this product are on the TSCA Section 8 Inventory.

Export Notification : This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States: NONE

Section 16. Other Information

Under HazCom 2012 it is optional to continue using the HMIS rating system. It is important to ensure employees have been trained to recognize the different numeric ratings associated with the HazCom 2012 and HMIS schemes.

HMIS Ratings : Health = 2*
Flammability = 3
Physical Hazard = 0
**Indicates a chronic hazard; see Section 2.*

Revision : New GHS SDS Format

Effective Date : 4/26/2024

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