MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Telephone numbers: (517) 546-4520

Manufacturer/Supplier: CHEM-TREND LP
P.O. BOX 860
HOWELL, MI 48844-0860

Product Name: Chemlease® 15 Sealer EZ

2. HAZARDS IDENTIFICATION

Physical State: Liquid

Appearance Liquid

Color: Clear Colourless

Odor Solvent - Amine

Emergency Overview: DANGER: FLAMMABLE!

Principle Routes of Exposure: Skin, eyes, respiratory tract, gastrointestinal tract

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Hydrocarbon naphtha1	-	60 - 70%
Light aliphatic naphtha	-	15 - 25%
Naphtha (petroleum), hydrotreated heavy	64742-48-9	10 - 20%
Resin blend	-	1 - 5%

4. FIRST AID MEASURES

Skin contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Inhalation:	Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.. Move to fresh air. If symptoms persist, call a physician.
Ingestion:	Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. Aspiration may cause pulmonary oedema and pneumonitis. Call a physician or poison control center immediately.
Aggravated Medical Conditions:	No information available.
Notes to physician:	No information available.

5. FIRE-FIGHTING MEASURES

Flash point:	42 °F , 6°C (Pensky-Martens, ASTM D 93, ISO 1523, ISO 2719, DIN 51 755, DIN 51758)
Flame extension test, inches (aerosol products only):	Not applicable, no information available.
Suitable extinguishing media:	Carbon dioxide (CO2). Dry chemical. Foam. Do not use a direct stream of water..
Unusual hazards:	Flammable.
Special protective equipment for fire-fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods:	Standard procedure for chemical fires.
Explosive properties:	No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up:

Small spills:	Take precautionary measures against static discharges. Soak up with inert absorbent material and dispose of as hazardous waste.
Large spills:	Take precautionary measures against static discharges. Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Handling:

Technical measures/precautions Ensure adequate ventilation. Take precautionary measures against static discharges.

Safe handling advice: Handle in accordance with good industrial hygiene and safety practice.
Normal measures for preventive fire protection
Take precautionary measures against static discharges.
Keep away from open flames, hot surfaces and sources of ignition
Bond and ground containers during transfer of material.
Do not puncture empty containers.
Do not re-use empty containers for other materials.

Storage:

Technical measures/storage conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep product and empty container away from open flames, hot surfaces and sources of ignition. Store at temperatures not exceeding 110°F.

Incompatible products: Strong oxidizing agents.

Other precautions: None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	CAS-No.	ACGIH TWA:	OSHA - TWA:	OSHA - Skin Notations	OSHA Z3 Mineral Dusts
Hydrocarbon naphtha1	-	-	-	-	-
Light aliphatic naphtha	-	-	-	-	-
Naphtha (petroleum), hydrotreated heavy	64742-48-9	-	-	-	-
Resin blend	-	-	-	-	-

Engineering measures: Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: Impervious gloves

Eye protection: Tightly fitting safety goggles or safety glasses with side-shields

Skin and body protection: Lightweight protective clothing. Usual safety precautions while handling the product will provide adequate protection against this potential effect.

9. PHYSICAL AND CHEMICAL PROPERTIES

Initial boiling point: 239 °F , 115 ºC

Specific gravity: 0.76
Bulk density (lb/gal): 6.34

Vapor pressure (mm Hg, 20 °C (68 °F)): No information available.

Vapor density (Air = 1.0) >1

Evaporation rate: <1 (n-butyl acetate = 1)

Volatiles content (%): 90 - 100 %

Water solubility: Insoluble

pH of concentrate: Not applicable.

Melting point range: Not applicable

Flash point: 42 °F , 6°C (Pensky-Martens, ASTM D 93, ISO 1523, ISO 2719, DIN 51 755, DIN 51758)

Flammability limits in air: Percent by volume

Components	CAS-No.	Lower (%):	Upper (%):
Hydrocarbon naphtha1	-	0.5	4.9
Light aliphatic naphtha	-	1.0	6.7
Naphtha (petroleum), hydrotreated heavy	64742-48-9	1.3	8.8

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to avoid: Keep away from open flames, hot surfaces and sources of ignition.

Materials to avoid: Strong oxidizing agents

Hazardous decomposition products: Carbon oxides. Formaldehyde and silicon dioxide may be evolved at elevated temperatures.

Polymerization: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Component Information:

Components	CAS-No.	LD50 Oral	LD50 Dermal	LC50 Inhalation (Vapor)
Hydrocarbon naphtha1	-	5000 mg/kg (rat)	2000 mg/kg (rabbit)	-
Light aliphatic naphtha	-	5000 mg/kg (rat)	3160 mg/kg (rabbit)	73680 ppm (rat)
Naphtha (petroleum), hydrotreated heavy	64742-48-9	5000 mg/kg (rat)	3160 mg/kg (rabbit)	-
Resin blend	-	-	-	-

Acute effects **Product contains proprietary ingredients. Health hazards are listed below.**

Skin contact: Prolonged contact may defat skin, causing irritation and/or dermatitis.

Eye contact: Contact with eyes may cause irritation.

Inhalation: High levels above the TLV cause stupor, headache, nausea, dizziness, unconsciousness, and may produce adverse effects on vision.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, and diarrhea. Material entering lungs during swallowing or vomiting causes lung inflammation and other lung injury.

Sensitization: No information available.

Other effects: No information available.

Chronic effects

Carcinogenic effects:

Components	CAS-No.	NTP:	IARC:	OSHA:
Hydrocarbon naphtha1	-	No	No	No
Light aliphatic naphtha	-	No	No	No
Naphtha (petroleum), hydrotreated heavy	64742-48-9	No	No	No
Resin blend	-	No	No	No

Mutagenic effects: No information available.

Reproductive toxicity: No information available.

Target Organ Effects: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

13. DISPOSAL CONSIDERATIONS

Method(s) of disposal: Dispose of in accordance with local, state, and federal regulations.

US EPA Waste number: D001 because of its ignitability if the product is disposed of in its original form.

14. TRANSPORT INFORMATION

IMDG - Marine Pollutants This product does not contain marine pollutants as classified by the International Maritime Organization.

Emergency Response Guidebook (ERG) No: 128

Mode of Transportation:	UN/NA ID No:	Proper shipping name:	Technical name	Hazard Class:		Packing group:
DOT - Non-Bulk	UN1866	Resin solution	-	3		II
DOT - Bulk	UN1866	Resin solution	-	3		II
Canadian TDG	UN1866	Resin solution	-	3		II
ICAO/IATA	UN1866	Resin solution	-	3		II
IMO/IMDG	UN1866	Resin solution	-	3		II

15. REGULATORY INFORMATION

Federal Regulations

OSHA Hazardous Chemical: Yes

SARA Title III

CERCLA/SARA (304) Hazardous Substances and RQs

Components	CAS-No.	Weight %	RQ
Hydrocarbon naphtha1	-	60 - 70%	-
Light aliphatic naphtha	-	15 - 25%	-
Naphtha (petroleum), hydrotreated heavy	64742-48-9	10 - 20%	-
Resin blend	-	1 - 5%	-

SARA (302) Extremely Hazardous Substances and RQs

Components	CAS-No.	Weight %	TPQ
Hydrocarbon naphtha1	-	60 - 70%	-
Light aliphatic naphtha	-	15 - 25%	-
Naphtha (petroleum), hydrotreated heavy	64742-48-9	10 - 20%	-
Resin blend	-	1 - 5%	-

SARA (311/312) Classification:

Acute health hazard: Yes
Chronic health hazard: No
Fire: Yes
Sudden Release of Pressure No
Reactive: No

SARA (313) Toxic Chemicals

Components	CAS-No.	Weight %	SARA (313) List
Hydrocarbon naphtha1	-	60 - 70%	Not Listed
Light aliphatic naphtha	-	15 - 25%	Not Listed
Naphtha (petroleum), hydrotreated heavy	64742-48-9	10 - 20%	Not Listed
Resin blend	-	1 - 5%	Not Listed

International Inventories

Australia:	All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).
Canada:	This product complies with NDSL
China:	This product complies with CLECS.
Europe:	This product complies with EINECS
Japan:	This product complies with ENCS/MITI.
Korea:	Listed on ECL.
New Zealand:	This product does not comply with NZIoC
Philippines:	This product complies with PICCS.
United States:	This product complies with TSCA.

16. OTHER INFORMATION

Hazardous Material Information System (USA):

Health	1	**Flammability:**	3	**Physical hazard:**	0	**Personal Protection code:**	H

National Fire Protection Association (USA):

Health:	1	**Flammability:**	3	**Instability:**	0	**Special Hazards:**	None/Not available

All revisions are marked with one or more asterisks (*)

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