

PDL-50 (Rev 3-30-26)

1	PRODUCT AND COMPANY IDENTIFICATION
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Product Identifier: PDL-50 (Rev 3-30-26)
SDS Number: L704E
Product Code: L704
Revision Date: 3/30/2026
Product Use: Penetrant-Demoisturant-Lubricant

Supplier Details: Wechem, Inc
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2	HAZARDS IDENTIFICATION
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Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

- Physical, Flammable Liquids, 4
- Health, Acute toxicity, 4 Oral
- Health, Skin corrosion/irritation, 2
- Health, Serious Eye Damage/Eye Irritation, 2 A
- Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

- H227 - Combustible liquid
- H302 - Harmful if swallowed
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation

GHS Precautionary Statements:

- P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
- P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P363 - Wash contaminated clothing before reuse.
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
- P305 + P351 + P338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P311 - Call a POISON CENTER or doctor/physician.
- P264 - Wash thoroughly after handling.
- P271 - Use only in a well-ventilated area.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Skin absorption, ingestion, inhalation, eye

Target Organs:	NA
Inhalation:	Excessive Inhalation may cause nasal and respiratory irritation, central nervous system effects.
Skin Contact:	Causes irritation. Prolonged contact can cause defatting and dermatitis.
Eye Contact:	Can cause severe irritation, redness, tearing, blurred vision.
Ingestion:	Can cause gastrointestinal irritation, nausea, diarrhea, vomiting.

3	COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical Ingredients

CAS#	%	Chemical Name
64742-88-7	70-80%	Solvent naphtha, petroleum, medium aliph.
64742-65-0	<20%	Petroleum Lube Oil
28016-00-4	<5%	Naphthalenesulfonic acid, dinonyl-, zinc salt
111-76-2	<5%	2-Butoxyethanol

4	FIRST AID MEASURES
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Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention.
Skin Contact:	Wash off with soap and water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops and persists.
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get immediate medical advice/attention.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

5	FIRE FIGHTING MEASURES
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Flammability: Combustible
 Extinguishing media: Foam, dry chemical, carbon dioxide.

Special fire fighting procedures: Use Self contained breathing apparatus and protective clothing.

Unusual Fire & Explosion Hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point.

Flash Point: 140 Deg. F.

6	ACCIDENTAL RELEASE MEASURES
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Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid any contact with the skin and eyes.

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Scoop up material and place in a disposal container. Provide ventilation.

7	HANDLING AND STORAGE
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Handling Precautions: Warning: Combustible liquid. Store in a cool, fire resistant area. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practices.

Laundry contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Storage Requirements: Warning: Combustible liquid. Store in a cool, fire resistant area. Keep out of reach of children. Keep container tightly closed and in a well-ventilated place. Do not store at temperatures above 49 C/120 F. Store in a cool dry, climate controlled area, away from incompatibles, sparks and open flame.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Personal Protective Equipment: Respiratory Protection: Use a NIOSH/MSHA -approved respirator in poorly ventilated areas or when permissible exposure limits may be exceeded..
Protective gloves: Chemical resistant/ neoprene
Eye protection: Safety glasses/goggles

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Remove contaminated clothing.

2-Butoxyethanol cas#:(111-76-2) [<5%]

Components with workplace control parameters

TWA 20 ppm USA. ACGIH Threshold Limit Values (TLV)

Eye & Upper Respiratory Tract irritation
Confirmed animal carcinogen with unknown relevance to humans

TWA 5 ppm USA. NIOSH Recommended Exposure Limits
24 mg/m3

Potential for dermal absorption

TWA 50 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
240 mg/m3

Skin designation
The value in mg/m3 is approximate.

TWA 25 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
120 mg/m3

Skin notation

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brownish

Physical State: Liquid

Odor: Solvent

Solubility: Negligible

Spec Grav./Density: (H20=1): 0.8 +/- 0.05

Boiling Point: 355 Deg. F.

Flammability: Combustible

Flash Point: 140 Deg. F.

Vapor Density: (Air=1): >1

VOC: Not available

10 STABILITY AND REACTIVITY

Chemical Stability: Stable and non-reactive under normal conditions of use, storage and transport.

Conditions to Avoid: Heat. Contact with strong oxidizing agents.

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition: May form: Carbon dioxide, carbon monoxide, various hydrocarbons.

Hazardous Polymerization: Will not occur

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TOXICOLOGICAL INFORMATION

Data summary for the components are as follows:

Solvent naphtha,petroleum,medium aliph. (CAS 64742-88-7)

Acute

Oral LD50 >5000 mg/kg (Rat)

Inhalation LC50 >5500 ppm, 4 hrs (Rat)

Dermal LD50 >3000 mg/kg (Rabbit)

2-Butoxyethanol cas#:(111-76-2) [<5%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 470 mg/kg

LC50 Inhalation - rat - 4 h - 450 ppm Remarks: Behavioral:Ataxia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

LD50 Dermal - rabbit - 220 mg/kg

LD50 Intraperitoneal - rat - 220 mg/kg

LD50 Intravenous - rat - 307 mg/kg

Skin corrosion/irritation: Skin - rabbit Result: Open irritation test

Serious eye damage/eye irritation: Eyes - rabbit Result: Moderate eye irritation - 24 h

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Butoxyethanol)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: KJ8575000

Human exposure above 200 ppm can be expected to cause narcosis, damage to the kidney and liver and present an abnormal blood picture showing erythropenia, reticulocytosis, granulocytosis, leukocytosis, and would be likely to cause fragility of erythrocytes and hematuria. Swallowing of 2-butoxyethanol results in a sour taste that turns to a burning sensation and is followed by numbness of the tongue which indicates paralysis of the sensory nerve endings., Central nervous system depression, Headache, narcosis
Stomach - Irregularities - Based on Human Evidence

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ECOLOGICAL INFORMATION

2-Butoxyethanol cas#:(111-76-2) [<5%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - other fish - 220 mg/l - 96 h.

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 1,815 mg/l - 24 h.

other aquatic invertebrates

Persistence and degradability: no data available

Ratio BOD/ThBOD 88 %

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

13	DISPOSAL CONSIDERATIONS
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This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

14	TRANSPORT INFORMATION
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Proper Shipping Name:

DOT: Not Regulated

IATA: Not Regulated

IMDG: Not Regulated

15	REGULATORY INFORMATION
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[%] RQ (CAS#) Substance - Reg Codes

[70-80%] solvent naphtha, petroleum, medium aliph. (64742-88-7) TSCA

[<20%] Petroleum Lube oil (64742-65-0) NJHS, TSCA

[<5%] Naphthalenesulfonic acid, dinonyl-, zinc salt (28016-00-4) TSCA

[<5%] 2-Butoxyethanol (111-76-2) HAP, MASS, OSHAWAC, PA, SARA313, TSCA, TXAIR

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

OSHA = OSHA workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

SARA313 = SARA 313 Title III Toxic Chemicals

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

16	OTHER INFORMATION
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We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

N/A = Not available N/D = Not determined

Revision Date: 3/30/2026

Print Date: 03/30/2026