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Revision Number 3

1. IDENTIFICATION

Product identification

Product identifier	PN-105 Penetrant
Other means of identification	DY60015068
Recommended use	Penetrant
Restrictions on use	For industrial use only

Supplier

Corporate Headquarters:
Lawson Products, Inc.
8770 W. Bryn Mawr Ave., Suite 900
Chicago, IL 60631
(866) 837-9908

Canadian Distribution Center:
Lawson Canada
7315 Rapistan Court
Mississauga, ON L5N 5Z4
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

Website www.lawsonproducts.com

2. HAZARD(S) IDENTIFICATION

Hazard Classification This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS 2015 and GHS Regulations.

Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Liquefied Gas

Symbol


Signal word DANGER

Hazard statements
H222 - Extremely flammable aerosol
H280 - Contains gas under pressure; may explode if heated
H304 - May be fatal if swallowed and enters airways

Precautionary statements

General	P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P103 - Read label before use.
Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source P251 - Pressurized container: Do not pierce or burn, even after use P264 - Wash hands thoroughly after handling
Response	
Ingestion	P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P331 - Do NOT induce vomiting
Storage	P405 - Store locked up P410 - Protect from sunlight P412 - Do not expose to temperatures exceeding 50 °C/122 °F P403 - Store in a well-ventilated place
Disposal	P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable
Hazard(s) Not Otherwise Classified (HNOC)	None known.
Physical Hazards Not Otherwise Classified (PHNOC)	None known.
Unknown acute toxicity	None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Mixture.

Chemical name	CAS-No	Weight %
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	64742-47-8	15-40
Petroleum distillates, straight-run middle	64741-44-2	15-40
Propane	68476-86-8	10-30
Ethyl acetate	141-78-6	3-7

4. FIRST-AID MEASURES

Necessary first-aid measures

Inhalation	Move to fresh air. If not breathing, give artificial respiration.
Ingestion	Do NOT induce vomiting. Call a POISON CENTER or doctor.
Skin contact	Take off immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lift eyelids occasionally. Get prompt medical attention.
Most important symptoms (acute)	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Risk of aspiration into the lungs.

Most important symptoms (over-exposure) None known.

Indication of any immediate medical attention and special treatment needed NOTE TO PHYSICIAN: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Dry chemical, carbon dioxide, or Foam.

Unsuitable extinguishing media Water.

Specific hazards Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Use personal protection recommended in Section 8. Remove all sources of ignition.

Methods and materials for containment and cleaning up Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

7. HANDLING AND STORAGE

Precautions for safe handling Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Store locked up.

Conditions for safe storage, including any incompatibilities Store in accordance with local regulations. Store away from direct sunlight in dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Incompatible with oxidizing agents. Keep away from bases and alkalis. Reactive metals. Rubber.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	California - PELs	ACGIH OEL (TWA)	NIOSH - TWA
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	Not listed			
Petroleum distillates, straight-run middle	-			
Propane	-			
Ethyl acetate	400 ppm TWA 1400 mg/m ³ TWA	400 ppm PEL; 1400 mg/m ³ PEL	400 ppm TWA	400 ppm TWA 1400 mg/m ³ TWA

Appropriate engineering controls Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures,
such as personal protective
equipment**

Eye protection	ANSI approved safety glasses are recommended to prevent accidental eye contact.
Skin and body protection	Chemical resistant gloves. Nitrile gloves.
Respiratory protection	Wear a NIOSH approved respirator with chemical/mechanical filters for chemicals listed in Section 3 when ventilation is restricted.
Hygiene measures	Wash hands after handling the product.

Canadian Province Occupational Exposure Limits

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	-	-	-	-	-	-	-	-	-	-
Petroleum distillates, straight-run middle	-	-	-	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-	-	-	-
Ethyl acetate	400 ppm TWA 1440 mg/m ³ TWA	150 ppm TWA	400 ppm TWA	400 ppm TWA 1440 mg/m ³ TWA	400 ppm TWA	400 ppm TWA	400 ppm TWA	400 ppm TWA	400 ppm TWA 1440 mg/m ³ TWA	400 ppm TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol
Color	Brown
Odor	Petroleum
Odor threshold	Not available
pH	Not available
Melting point/range °C	Not available
Melting point/range °F	Not available
Boiling point/range °C	82 °C
Boiling point/range °F	180 °F
Flash point °C	43
Flash point °F	110
Flash point method used	Not available
Evaporation rate	No data available
Flammability (Solid, Gas)	Not available
Lower explosion limit	No data available

Upper explosion limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.8 - 0.84
Solubility	Practically insoluble in water
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	Not available
Autoignition temperature °F	Not available
Decomposition temperature °C	Not available
Decomposition temperature °F	Not available
Viscosity	No data available

10. STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	Stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Avoid heat, sparks, and other sources of ignition. Exposure to temperatures above 120F may cause bursting.
Incompatible materials	Incompatible with oxidizing agents. Bases. Reactive metals. Rubber. Alkalis. Strong reducing agents.
Hazardous decomposition products	carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Dermal. Inhalation. Ingestion. Eyes.
Symptoms	May cause eye irritation. eye pain, redness, and watering. Ingestion may result in nausea, vomiting, diarrhea and pain. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal. Skin irritation. Redness. Prolonged skin contact may defat the skin and produce dermatitis.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	None known.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	no data available	> 5000 mg/kg Rat >2000 mg/kg Rabbit	>5000 mg/kg Rat > 2000 mg/kg Rabbit

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Petroleum distillates, straight-run middle	1.78 mg/L Rat	> 5000 mg/kg Rat >2000 mg/kg Rabbit	>5000 mg/kg Rat > 2000 mg/kg Rabbit
Propane	-	-	-
Ethyl acetate	4000 ppm Rat	= 5620 mg/kg Rat >18000 mg/kg Rabbit	5620 mg/kg Rat > 18000 mg/kg Rabbit

ATEmix (dermal) Not available

ATEmix (oral) Not available

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) Not available

ATEmix (inhalation-dust/mist) Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA Carcinogens	NTP
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	-	-	-	-
Petroleum distillates, straight-run middle	-	-	-	-
Propane	-	-	-	-
Ethyl acetate	-	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	-	-	-	-	-	-
Petroleum distillates, straight-run middle	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Ethyl acetate	-	-	-	ACGIH A4	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish LC50
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	-	= 2.2mg/L <i>Lepomis macrochirus</i> 96h = 2.4mg/L <i>Oncorhynchus mykiss</i> 96h = 45mg/L <i>Pimephales promelas</i> 96h
Petroleum distillates, straight-run middle	-	-
Propane	-	-
Ethyl acetate	-	220 - 250mg/L <i>Pimephales promelas</i> 96h 352 - 500mg/L <i>Oncorhynchus mykiss</i> 96h = 484mg/L <i>Oncorhynchus mykiss</i> 96h

Persistence and degradability Product is biodegradable.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)
Petroleum distillates, hydrotreated light (<3% DMSO extractable) 64742-47-8	64742-47-8	-	61 - 159 dimensionless species: fish
Petroleum distillates, straight-run middle 64741-44-2	64741-44-2	3.9 - 6	-
Propane 68476-86-8	68476-86-8	<=2.8	-
Ethyl acetate 141-78-6	141-78-6	0.73 at 20 °C [EPA OPPTS 83.756] (at pH 7, ECHA_API)	30 dimensionless species: fish

Mobility in soil This product is mobile in soil.

Other adverse effects Toxic to aquatic life

13. DISPOSAL CONSIDERATIONS

Disposal information The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Contaminated packaging Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its containers must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

ID-No UN1950
 Proper shipping name Aerosols
 Hazard Class(es) 2.1
 Subsidiary Risk
 Packing group
 Special Provisions LTD QTY

TDG

ID-No UN1950
 Proper shipping name Aerosols
 Hazard Class(es) 2.1
 Packing group
 Special Provisions LTD QTY

IATA

ID-No UN1950
 Proper shipping name Aerosols, flammable
 Hazard Class(es) 2.1

Subsidiary Risk
Packing group
ERG Code 126
Special Provisions LTD QTY

IMDG/IMO

ID-No UN1950
Proper shipping name Aerosols
Hazard Class(es) 2.1
Packing group
EmS No F-D, S-U
Special Provisions LTD QTY

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	64742-47-8	-	-	-
Petroleum distillates, straight-run middle	64741-44-2	-	-	-
Propane	68476-86-8	-	-	-
Ethyl acetate	141-78-6	-	-	-

Special Precautions

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations**U.S. state Right-to-Know regulations**

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	64742-47-8	-	-	-
Petroleum distillates, straight-run middle	64741-44-2	-	-	-
Propane	68476-86-8	-	-	-
Ethyl acetate	141-78-6	X	X	X

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	64742-47-8	-
Petroleum distillates, straight-run middle	64741-44-2	-
Propane	68476-86-8	-
Ethyl acetate	141-78-6	-

California Proposition 65

WARNING: This product contains a chemical(s) known to the state of California to cause cancer

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	64742-47-8	-	-
Petroleum distillates, straight-run middle	64741-44-2	-	-
Propane	68476-86-8	-	-
Ethyl acetate	141-78-6	5000 lb 2270 kg	-

US EPA SARA 311/312 Fire Hazard
hazardous categorization

TSCA and Canadian Inventories

Chemical name	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification	DSL	NDSL
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	X	-	X	-
Petroleum distillates, straight-run middle	X	-	X	-
Propane	X	-	X	-
Ethyl acetate	X	-	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health	1
Flammability	3
Instability	0

HMIS

Health	1
Flammability	3
Physical hazards	0
Personal protection	A

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

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Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
ATE (Average Toxicity Estimate)
DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)
HMIS (Hazardous Materials Identification System)
IARC (International Agency for Research on Cancer)
IATA (International Air Transport Association)
IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)
NFPA (National Fire Protection Association)
NTP (National Toxicology Program)
OEL (Occupational Exposure Level)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
TSCA (Toxic Substance Control Act)
USEPA (United States Environmental Protection Agency)

Disclaimer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

End of Safety Data Sheet