

### 1. IDENTIFICATION

**Product identifier****Product Name** Slide Penetrant Plus**Other means of identification****SDS #** 41812M**Product Code** 41812M**Synonyms** Penetrant-demoisturant Compound.**UN/ID No** UN1950**Other Information****Recommended use of the chemical and restrictions on use****Recommended Use** Industrial penetrating fluid.**Details of the supplier of the safety data sheet****Supplier Address**Slide Products Inc.  
430 Wheeling Road  
Wheeling, IL 60090**Emergency telephone number****Company Phone Number** Phone: 1-847-541-7220

Fax: 1-847-541-7986

**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

### 2. HAZARDS IDENTIFICATION

**Appearance** Pale straw colored liquid**Physical state** Aerosol**Odor** Bland**Classification**

Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable aerosols	Category 2
Gases under pressure	Compressed gas

**Signal Word****Danger****Hazard statements**

Causes damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Flammable aerosol

Contains gas under pressure; may explode if heated



**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Do not spray on an open flame or other ignition source  
 Pressurized container: Do not pierce or burn, even after use

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor  
 Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up  
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F  
 Store in a well-ventilated place

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms** Penetrant-demoisturant Compound.

Chemical name	CAS No.	Weight-%
Petroleum Distillates, Hydrotreated light	64742-47-8	50-60
Propane	68476-86-8	15-20
Mineral Oil	8042-47-5	10-20
(Z)-octadec-9-enol	143-28-2	1-5
Aliphatic Hydrocarbon Solvent	64742-88-7	1-5
Alcohols, C6-10, Ethoxylated Propoxylated	68987-81-5	1-5
Hexadecan-1-ol	36653-82-4	0-5
1-Tetradecanol	112-72-1	0-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>General Advice</b>	If exposed or concerned: Get medical advice/attention.
<b>Eye Contact</b>	If adverse effects occur, rinse eyes with large amounts of water until irritation subsides. Call a physician immediately.
<b>Skin Contact</b>	Wash with soap and water. Apply hand cream.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Do NOT induce vomiting. Call a physician or poison control center immediately.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Inhalation may cause irritation of the trachea and lungs. Direct contact with eyes may cause temporary irritation. May be harmful in contact with skin.
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**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Dry chemical. Foam. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Aerosols may rupture violently at temperatures above 120 F.

**Protective equipment and precautions for firefighters**

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**

**Personal Precautions** Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on Safe Handling** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep away from heat. Protect from direct sunlight. Do not store at temperatures above 120°F.

**Incompatible Materials** None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

This product, as supplied, is not known to contain any materials with established occupational exposure limits.

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

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

**Eye/Face Protection** Proper eye care is needed in all industrial operations.

**Skin and Body Protection** No protective equipment is needed under normal use conditions.

**Respiratory Protection** Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Aerosol	<b>Odor</b>	Bland
<b>Appearance</b>	Pale straw colored liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Pale straw		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Not available	
<b>Melting point / freezing point</b>	Not available	
<b>Boiling point / boiling range</b>	72-204 °C / 162-400 °F	
<b>Flash point</b>	Not available	
<b>Evaporation Rate</b>	120 minutes	
<b>Flammability (Solid, Gas)</b>	Flammable aerosol	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	6.0%	
<b>Lower flammability or explosive limits</b>	1.0%	
<b>Vapor Pressure</b>	1 mm Hg	
<b>Vapor Density</b>	>1	(Air=1)
<b>Relative Density</b>	0.772	
<b>Water Solubility</b>	Not available	
<b>Solubility in other solvents</b>	Not available	
<b>Partition Coefficient</b>	Not available	
<b>Autoignition temperature</b>	Not available	
<b>Decomposition temperature</b>	Not available	
<b>Kinematic viscosity</b>	Not available	
<b>Dynamic Viscosity</b>	Not available	
<b>Explosive Properties</b>	Not available	
<b>Oxidizing Properties</b>	Not available	

**Other information**

**Liquid Density** 6.442 weight/gallon

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**

Avoid temperatures above 120°F. Avoid direct sunlight.

**Incompatible materials**

None known.

**Hazardous decomposition products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

**Eye Contact** Avoid contact with eyes.

**Skin Contact** May be harmful in contact with skin.

**Inhalation** Do not inhale.

**Ingestion** Do not ingest.

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum Distillates, Hydrotreated light 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
Mineral Oil 8042-47-5	> 5000 mg/kg ( Rat )	-	-
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Aliphatic Hydrocarbon Solvent 64742-88-7	> 25 mL/kg ( Rat )	> 3000 mg/kg ( Rabbit )	> 13 mg/L ( Rat ) 4 h
Hexadecan-1-ol 36653-82-4	> 5 g/kg ( Rat )	> 2600 mg/kg ( Rabbit )	-
1-Tetradecanol 112-72-1	> 20 g/kg ( Rat )	= 8 g/kg ( Rabbit )	-

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**STOT - repeated exposure** Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

**Oral LD50** 7,073.20 mg/kg  
**Dermal LD50** 3,015.40 mg/kg mg/L

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

### Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Petroleum Distillates, Hydrotreated light 64742-47-8		2.2: 96 h Lepomis macrochirus mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static	4720: 96 h Den-dronereides heteropoda mg/L LC50
Mineral Oil 8042-47-5		10000: 96 h Lepomis macrochirus mg/L LC50	
(Z)-octadec-9-enol 143-28-2		0.0029: 96 h Pimephales promelas mg/L LC50 flow-through	
Aliphatic Hydrocarbon Solvent 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static	100: 48 h Daphnia magna mg/L EC50
1-Tetradecanol 112-72-1	10: 96 h Desmodesmus subspicatus mg/L EC50	10000: 96 h Brachydanio rerio mg/L LC50	

### Persistence/Degradability

Not determined.

### Bioaccumulation

There is no data for this product.

### Mobility

Chemical name	Partition coefficient
Propane 68476-86-8	<=2.8
Mineral Oil 8042-47-5	>6
Hexadecan-1-ol 36653-82-4	6.65
1-Tetradecanol 112-72-1	6.03

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

#### **Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

### Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### DOT

UN/ID No	UN1950
Proper Shipping Name	Aerosols
Hazard class	2.1

**IATA**

**UN number** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Transport hazard class(es)** 2.1

**IMDG**

**UN number** UN1950  
**Proper Shipping Name** Aerosols  
**Transport hazard class(es)** 2.1

**15. REGULATORY INFORMATION****International Inventories**

Chemical name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Petroleum Distillates, Hydrotreated light	X	X	X		X	X	X	X
Propane	X	X	X		X	X	X	X
Mineral Oil	X	X	X	X	X	X	X	X
(Z)-octadec-9-enol	X	X	X	X	X	X	X	X
Aliphatic Hydrocarbon Solvent	X	X	X		X	X	X	X
Alcohols, C6-10, Ethoxylated Propoxylated	X	X			X	X		X
Hexadecan-1-ol	X	X	X	X	X	X	X	X
1-Tetradecanol	X	X	X	X	X	X	X	X

**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances**AICS - Australian Inventory of Chemical Substances***US Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Instability</b> Not determined	<b>Special Hazards</b> Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b> 1	<b>Flammability</b> 3	<b>Physical hazards</b> 0	<b>Personal Protection</b> B

**Issue Date:** 01-Sep-2012  
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**Revision Note:** Regulatory update

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**