

Safety Data Sheet TERRASAFE PENETRATING OILWITH PFTE

Supersedes Date 04/07/2013

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name TERRASAFE PENETRATING OILWITH PFTE

Recommended use Penetrant Lubricant

Information on Manufacturer

Partsmaster, Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

Product Code 60411001

Chemical nature Aerosol

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

800-336-0450

2. HAZARD IDENTIFICATION

Color No information available

Physical state Aerosol

Odor Citrus

GHS

Classification

Physical Hazards

Gases under pressure

Flammable Aerosols

Category 2

Health Hazard

Skin sensitization

Category 1

Other hazards

None

Labeling

Signal Word

WARNING



Hazard statements

H223 - Flammable aerosol

H317 - May cause an allergic skin reaction

H280 - Contains gas under pressure; may explode if heated

Precautionary Statements

P210 - Keep away from heat, sparks, open flames or hot surfaces.

P211 - Do not spray on an open flame or other ignition source

P251 - Pressurized container: Do not pierce or burn, even after use

P261 - Avoid breathing vapor or mist.

P280 - Wear protective gloves, protective clothing and eye protection.

P272 - Contaminated work clothing should not be allowed out of the workplace

P321 - Specific treatment (see supplemental first aid instructions on this label)

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P333 + P313 - If skin irritation or rash occurs, get medical attention

P363 - Wash contaminated clothing before reuse

P410 + P403 - Protect from sunlight. Store in a well-ventilated place

P412 - Do not expose to temperatures exceeding 50 °C/122 °F

P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
Soybean oil	8001-22-7	60-100
Propane	74-98-6	5-10
D-Limonene	5989-27-5	1-5

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	Avoid breathing vapors, mist, or gas. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep away from heat, sparks and flame.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact	Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation	Move to fresh air.
Ingestion	Clean mouth with water and afterwards drink plenty of water.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point > 201 °F / > 94 °C	Method Seta closed cup
Upper: No data available	Lower: No data available
Suitable Extinguishing Media	
Carbon dioxide (CO2). Dry chemical. Foam. Water spray.	
Specific hazards arising from the chemical	
Flash back possible over considerable distance.	
Protective Equipment and Precautions for Firefighters	
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.	
NFPA	Health 2
HMIS	Health 2
	Flammability 1
	Flammability 1
	Instability 0
	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Take precautionary measures against static discharges. Use personal protective equipment.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.
Methods for Containment	No information available.
Methods for Cleaning Up	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Always store material in its original container. Keep container tightly closed when not in use. Avoid breathing vapors or mists.				
Storage	Keep tightly closed in a dry and cool place. Keep in properly labelled containers. Keep in an area equipped with sprinklers. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.				
Storage Temperature	Minimum	No information available 35 2		Maximum	No information available
Storage Conditions	Indoor	X	Outdoor	Heated	Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³

Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/Face Protection	Chemical goggles should be worn when handling.
Skin Protection	For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.
Respiratory Protection	In case of inadequate ventilation wear respiratory protection.
General Hygiene Considerations	When using, do not eat, drink, or smoke. Regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol	Viscosity	No information available
Color	colorless	Odor	Citrus
Odor Threshold	Not applicable	Appearance	No information available.
pH	Not applicable	Specific Gravity	= 0.919
Evaporation Rate	>1 (BuAc = 1)	Percent Volatile (Volume)	0
VOC Content (%)	9.65	Vapor Pressure	No information available
Vapor Density	No information available	Solubility	No information available.
n-Octanol/Water Partition	No data available	Melting Point/Range	No data available
Decomposition Temperature	No data available	Boiling Point/Range	Boiling Point/Range > 350 ° F / 177 °C
Flammability (solid, gas)	No data available	Method	Seta closed cup
Flash Point	> 201 °F / > 94 °C		
Autoignition Temperature	No information available.		
Upper: No data available Lower: No data available			

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Heating in air.
Incompatible Products	No materials to be especially mentioned.
Decomposition Temperature	No data available
Hazardous Decomposition Products	None under normal use.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

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

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure Eye contact, Inhalation, Skin contact.

Primary Routes of Entry None known.

Acute Effects:

Eyes

May cause eye irritation.

Skin

May cause skin irritation.

Inhalation

(Mist). May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity

Prolonged or repeated inhalation may cause damage to the lungs. Prolonged skin contact may defat the skin and produce dermatitis.

Target Organ Effects

Respiratory system, Central nervous system.

Aggravated Medical Conditions

Skin disorders, Central nervous system.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Propane 74-98-6	No data available	no data available	= 658 mg/L (Rat) 4 h	No data available	No data available
D-Limonene 5989-27-5	= 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	No data available	No data available	No data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Propane 74-98-6	No data available	No data available	No data available	No data available	Central nervous system
D-Limonene 5989-27-5	No data available	Skin sensitization	No data available	No data available	No data available

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
D-Limonene 5989-27-5	not applicable	Group 3	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Propane	No information available.	No information available.	No information available	No information available.	2.3
D-Limonene	No information available.	LC50 0.619 - 0.796 mg/L Pimephales promelas 96 h LC50 = 35 mg/L Oncorhynchus mykiss 96 h	No information available	No information available.	N/A

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name
Description

Consumer Commodity, ORM-D / Limited Quantities
Consumer Commodity, ORM-D / Limited Quantities

TDG

Proper shipping name
Description

Consumer Commodity, ORM-D / Limited Quantities
Consumer Commodity, ORM-D / Limited Quantities

ICAO

UN-No
Proper Shipping Name
Hazard Class
Shipping Description

UN1950
Aerosols, non-flammable
2.2
UN1950, Aerosols, non-flammable, 2.2, Limited Quantities

IATA

UN-No
Proper Shipping Name
Hazard Class
ERG-Code
Shipping Description

UN1950
Aerosols, non-flammable
2.2
126
UN1950, Aerosols, non-flammable, 2.2, Limited Quantities

IMDG/IMO

Proper Shipping Name
Hazard Class
UN-No
Description

Aerosols, non-flammable
2.2
UN1950
UN1950, Aerosols, non-flammable, 2.2, Limited Quantities

15. REGULATORY INFORMATION

Inventories

TSCA

Complies

DSL

Complies

U.S. Federal Regulations

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.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

CERCLA

None

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

Prepared By	Christopher Drogin
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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