



GH Berlin Windward
866-946-3927
www.ghberlinwindward.com

PENETRANT

SAFETY DATA SHEET

10/08/15

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Penetrant

Product Code: 463700

Chemical Family: Lubricant

Manufacturer: Northeast Products Co Inc.

52 Ferry St
Fall River, MA 02721

Emergency Telephone Number: 800-225-8150

8am-4pm M-F

2. HAZARD IDENTIFICATION

Hazard statements : DANGER H304: May be fatal if swallowed and enters airways -
If swallowed, Immediately call a POISON CENTER.

WARNING H315: Causes skin irritation.
If on skin, wash with plenty of soap and water.

H319: Causes serious eye irritation.
Immediately flush eyes for several minutes.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Percent	Component	Synonym	CAS#
0-50	Distillates (petroleum), hydrotreated heavy naphthenic		64742-52-5
0-50	Hydrotreated Naphtha, Heavy	Solvent	64742-48-9
0-10	Oleic Acid	Octadecenoic Acid	67701-08-0
0-10	Paraffin oils (petroleum), catalytic dewaxed heavy		64742-70-7

4. FIRST AID MEASURES

EYE: Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

SKIN CONTACT: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated



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clothing before re-use.

INGESTION: Keep respiratory tract clear. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If swallowed, call a poison control center or doctor immediately. Take victim immediately to hospital.

INHALATION: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

5. FIRE FIGHTING MEASURES

FLASH POINT: 100°C - Average

CONDITIONS OF FLAMMABILITY: Keep away from sparks or flames.

FLAMMABLE LIMITS IN AIR: N/A

AUTO-IGNITION TEMP: N/A

EXTINGUISHING MEDIA: Water spray or fog, foam, dry chemical, CO₂

FIRE FIGHTING INSTRUCTIONS: Keep storage containers cool with water spray. A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

FIRE AND EXPLOSION HAZARDS: Heated containers may rupture. "Empty" containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact or static discharge.

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

7. HANDLING AND STORAGE

HANDLING: Keep away from sparks or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools. When transferring product, ensure all equipment is electrically grounded before beginning transfer operations. When aerosolizing, misting, or heating this product, do not breathe vapor or mist. Use in a well-ventilated area. Avoid contact with eyes, skin, clothing and shoes. Avoid formation of aerosol. Do not breathe vapors/dust.

SHIPPING/STORING: Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain residue and can be dangerous.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

COMPONENT EXPOSURE LIMITS

Contains mineral oil. The exposure limits for oil mist are 5 mg/m³ OSHA PEL and 10 mg/m³ ACGIH.



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Distillates (petroleum), hydrotreated heavy naphthenic

ACGIH: 5mg/m³ TWA (Oil mist, if generated)
10 mg/m³ STEL (Oil mist, if generated)
OSHA: 5mg/m³ TWA (Oil Mist, if generated)

Hydrotreated Naphtha, Heavy

ACGIH: 100ppm TWA
NIOSH: 350 mg/m³ TWA
OSHA: 500ppm TWA

ENGINEERING CONTROLS: Avoid creating mist or spray. Avoid splashing. Provide general ventilation to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT —

EYE: Chemical goggles or safety glasses. In case of splashing or aerosol production: protective goggles.

SKIN: Protective gloves recommended when prolonged skin contact cannot be avoided. Use of natural rubber or equivalent gloves is not recommended. When product is heated and skin contact is likely, wear heat-insulating gloves, boots, and other protective clothing. To avoid prolonged or repeated contact where spills and splashes are likely wear appropriate chemical-resistant face shield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.

RESPIRATOR: No respiratory protection is normally required. Use NIOSH-certified P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse. Discard leather articles, such as shoes, saturated with these products.

OTHER: Where spills and splashes are likely, facilities storing or using these products should be equipped with emergency eyewash and shower, both equipped with clean water, in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES



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Color: Clear- light red coloring possible Physical State: Liquid Odor: Hydrocarbon-like Vapor Pressure: N/A Vapor Density: 5.4 Viscosity: Not Measured Spec. Gravity: N/A Density: 6.7 lb/gal @ 15.5°C- Typical Solubility: Negligible	Boiling Point: 192 - 211 °C Melting Point: N/A Freezing Point: N/A Flash Point: 100°C -Approximate Flammability: Upper explosion limit: Not Measured Lower explosion limit: Not Measured Auto Ignition: Not measured Decomposition temperature: N/A Octanol/Water Partition Coefficient: N/A
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10. STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.

INCOMPATIBLE MATERIALS: Oxidizing agents

REACTIVITY: Stable at normal ambient temperature and pressure.

HAZARDOUS DECOMPOSITION: Hazardous gases and vapors produced in fire are oxides of carbon.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: May be fatal if swallowed. Causes skin irritation. May cause eye irritation.

REPEATED DOSE EFFECTS: No information available.

SENSITIZATION: Based on best current information, there is no known human sensitization associated with this product.

MUTAGENICITY: Based on best current information, there is no known mutagenicity associated with this product.

CARCINOGENICITY : Possible human carcinogen

REPRODUCTIVE TOXICITY : No information available.

TERATOGENICITY: No information available.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Hydrotreated Naphtha, Heavy , (64742-48-9)	> 5,000.00, Rat - Category: NA	No data available	No data available	No data available	No data available
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified - (64742-52-5)	> 5,000.00, Rat - Category: NA	No data available	No data available	5.70, Rat - Category: NA	No data available
Paraffin oils (petroleum), catalytic dewaxed heavy (64742-70-7)	No data Available	No data available	No data available	No data available	No data available
Oleic Acid (67701-08-0)	No data Available	No data Available	No data Available	No data Available	No data Available



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12. ECOLOGICAL INFORMATION

ECOTOXICITY :

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Hydrotreated Naphtha, Heavy , (64742-48-9)	54.00, Jordanella floridae	68.00, Daphnia magna	Not Available
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified - (64742-52-5)	5,000.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00 (96 hr), Scenedesmus subspicatus
Paraffin oils (petroleum), catalytic dewaxed heavy\ (64742-70-7)	Not Available	Not Available	Not Available
Oleic Acid (67701-08-0)	Not Available	Not Available	Not Available

PERSISTENCE/DEGRADABILITY : No data available.

BIOACCUMULATIVE POTENTIAL : No information available for this product.

MOBILITY IN ENVIRONMENT : Base oil component(s) – Low solubility and floats; expected to migrate from water to land.

OTHER ADVERSE EFFECTS: N/A

OCTANOL/WATER PARTITION COEFFICIENT: N/A

AQUATIC RELEASE : Not toxic to aquatic organisms up to water solubility.

13. DISPOSAL INFORMATION

DISPOSAL: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste.

USEPA WASTE CODES; Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.

EMPTY CONTAINERS: Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

14. TRANSPORTATION INFORMATION



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DOT : Not regulated. Product does not sustain combustion (49 CFR 173.120(b)(3)).

PROPER SHIPPING NAME : Not Regulated

HAZARD CLASS: Not regulated

ID NUMBER: Not regulated

LABEL REQUIRED: Not regulated

EMERGENCY RESPONSE: N/A Reference North American Emergency Response Guidebook.

15. REGULATORY INFORMATION

OSHA HAZARDS (HCS 1994): Aspiration hazard, Moderate skin irritant, Moderate eye irritant.

TSCA: Yes- Components of this product are listed in the TSCA.

SARA SECTIONS 302 304: Based on the ingredients listed in **Section 3**, this product does not contain any “extremely hazardous substances” listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA SECTIONS 311 AND 312 REPORTING: This product poses the following health hazard(s) as defined in 40 CFR Part 370 and is subject to the requirements of Sections 311 and 312 of Title III of Superfund Amendments and Reauthorization Act of 1986 (SAEA):

Immediate (Acute) Health Hazard:	YES
Delayed (Chronic) Health Hazard:	YES
Physical Fire:	No
Physical Sudden Release of Pressure:	No
Physical Reactive:	No

CERCLA: Based on the ingredients listed in **Section 3**, this product does not contain any “hazardous substances” listed pursuant to the comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

16. OTHER INFORMATION

NFPA RATINGS: Health: 2 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 2 Flammability: 1 Reactivity: 0
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator).

DATE ISSUED: October 8th, 2015

REVISION NO. New SDS

REVISION INFORMATION: Not applicable



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**NORTHEAST PRODUCTS CO INC
52 FERRY STREET
FALL RIVER, MA 02721
800-225-8150**

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