



Revision Number: 002.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Penetrating Oil	IDH number: 209775
Product type: Lubricant	Item number: 80032
	Region: United States
Company address: Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	Contact information: Telephone: 860.571.5100 Emergency telephone: 860.571.5100 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid	HEALTH: 2
Color: yellow	FLAMMABILITY: 2
Odor: Petroleum	PHYSICAL HAZARD: 0
	Personal Protection: See MSDS Section 8

DANGER: FLAMMABLE!
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation:	Headache. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Nausea.
Skin contact:	Prolonged or repeated contact may cause irritation.
Eye contact:	Contact with eyes will cause irritation.
Ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	30 - 60
Hydrocarbon aliphatic aromatic naphthenic C9-12	64742-88-7	30 - 60
2-Butoxyethanol	111-76-2	0.1 - 1

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Skin contact:	Wash with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	Get medical attention. Immediately flush eyes with plenty of water for at least 15 minutes.

Ingestion: Get medical attention. Do not induce vomiting. Aspiration may cause pulmonary edema and pneumonitis.

5. FIRE FIGHTING MEASURES

Flash point: 44 °C (111.2 °F)

Autoignition temperature: Not available

Flammable/Explosive limits - lower: Not available

Flammable/Explosive limits - upper: Not available

Extinguishing media: Dry chemical. Foam. Carbon dioxide.

Special firefighting procedures: In case of fire, keep containers cool with water spray. Water spray may be ineffective.

Unusual fire or explosion hazards: Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

Hazardous combustion products: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions: Do not allow material to contaminate ground water system. Do not allow product to enter sewer or waterways.

Clean-up methods: Store in a partly filled, closed container until disposal. Dike spill using soil, sand, or compatible commercial absorbent. Remove all sources of ignition. Ensure adequate ventilation.

7. HANDLING AND STORAGE

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.

Storage: Keep container closed. Store away from ignition sources.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m3 TWA mist 10 mg/m3 STEL mist	5 mg/m3 TWA mist	None	None
Hydrocarbon aliphatic aromatic naphthenic C9-12	100 ppm TWA	500 ppm (2,900 mg/m3) TWA	None	None
2-Butoxyethanol	20 ppm TWA	50 ppm (240 mg/m3) TWA (SKIN)	None	None

Engineering controls: Use only with adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Respiratory protection: Observe OSHA regulations for respiratory use (29 CFR 1910.134). Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection: Safety glasses with side-shields. Goggles.

Skin protection: Cover as much of the exposed skin area as possible with appropriate clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: yellow
Odor: Petroleum
Odor threshold: Not available
pH: Not available
Vapor pressure: Not available
Boiling point/range: Not available
Melting point/ range: Not available
Specific gravity: 0.85
Vapor density: Heavier than air.
Flash point: 44 °C (111.2 °F)
Flammable/Explosive limits - lower: Not available
Flammable/Explosive limits - upper: Not available
Autoignition temperature: Not available
Evaporation rate: Not available
Solubility in water: Not available
Partition coefficient (n-octanol/water): Not available
VOC content: 44 %

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.

Hazardous decomposition products: Carbon monoxide.

Incompatible materials: Oxygen. Strong oxidizing agents. Chlorine.

Conditions to avoid: None known

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Distillates (petroleum), hydrotreated heavy naphthenic	No	No	No
Hydrocarbon aliphatic aromatic naphthenic C9-12	No	No	No
2-Butoxyethanol	No	No	No

Hazardous components	Health Effects/Target Organs
Distillates (petroleum), hydrotreated heavy naphthenic	Irritant
Hydrocarbon aliphatic aromatic naphthenic C9-12	Central nervous system, Irritant
2-Butoxyethanol	Blood, Central nervous system, Irritant, Kidney, Liver

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Combustible liquid, n.o.s. (Solvent naphtha)
Hazard class or division: Combustible Liquid
Identification number: NA 1993
Packing group: III
Exceptions: Unrestricted, (Not more than 450 Liters)

International Air Transportation (ICAO/IATA)

Proper shipping name: Petroleum distillates, n.o.s.
Hazard class or division: 3
Identification number: UN 1268
Packing group: III
Exceptions: ID8000, (Not more than 500 ml), May Qualify as Consumer Commodity

Water Transportation (IMO/IMDG)

Proper shipping name: PETROLEUM DISTILLATES, N.O.S.
Hazard class or division: 3
Identification number: UN 1268
Packing group: III
Exceptions: Limited quantity (Not more than 5 L).

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12(b) Export Notification: None above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Fire, Immediate Health, Delayed Health
CERCLA/SARA 313: None above reporting de minimus

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

WHMIS hazard class: D.2.B, B.3

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

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