

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/02/2008

Reviewed on 09/02/2008

1 Identification of substance

Trade name: PENETRATING OIL
Product code: PE00010000
Manufacturer/Supplier: PRODUCTION PRODUCTS, INC.
 30487 Potomac Way
 Charlotte Hall, MD 20622
 (301) 472-4200, www.ppduct.com
Information department: Health & Safety Department
Emergency information: CHEMTEL 1-800-255-3924, 813-248-0585 *if located outside the U.S.*

2 Composition/Data on components

Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

Dangerous components:

8008-20-6	Kerosine (petroleum)	34.13%
67-64-1	Acetone	29.9%
74-98-6	propane	6.3%
106-97-8	n-butane	3.7%
2807-30-9	Glycol Ether EP	3.28%

Additional information: For the wording of the listed risk phrases refer to section 3.

3 Hazards identification

Hazard description:   Irritant
Extremely flammable

Physical dangers: Extremely flammable.
 Irritating to eyes.
 Vapours may cause drowsiness and dizziness
 Keep out of the reach of children.

Effects of chronic overexposure: May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

NFPA ratings (scale 0 - 4): Health = 1
 Fire = 4
 Reactivity = 3

HMIS-ratings (scale 0 - 4): Health= 1
 Fire= 4
 Physical Hazard= 3

4 First aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Remove contaminated clothing. Wash exposed area with soap and water.
After eye contact: Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Contact physician or poison control center.

5 Fire fighting measures

Extinguishing agents: CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protective equipment: No special measures required.

6 Accidental release measures

Personal safety precautions: Wear protective equipment. Keep unprotected persons away.
Environmental safety precautions: Do not allow product to reach sewage systems or ground water.
Measures for cleaning/collecting: Ensure adequate ventilation.

7 Handling and storage

Fire/explosion protection: Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic discharges.

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Trade name: PENETRATING OIL**Storage requirements:** Observe pressurized container storage regulations. Consult with your local authorities.

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8 Exposure controls and personal protection:

Components with limit values that require monitoring at the workplace:

8008-20-6 Kerosine (petroleum)

REL 100 mg/m³
 TLV 200 mg/m³
 as total hydrocarbon vapor; Skin; P

67-64-1 Acetone

REL 2400 mg/m³, 1000 ppm
 REL 590 mg/m³, 250 ppm
 TLV Short-term value: 1782 mg/m³, 750 ppm
 Long-term value: 1188 mg/m³, 500 ppm
 BEI

74-98-6 propane

REL 1800 mg/m³, 1000 ppm
 REL 1800 mg/m³, 1000 ppm
 TLV Varies mg/m³, 1000 ppm

106-97-8 n-butane

REL 1900 mg/m³, 800 ppm
 TLV Varies mg/m³, 1000 ppm

Protective hygienic measures:

Keep away from foodstuffs and animal feed. Wash hands after use.

Breathing equipment:

A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. Please consult an authority on chemical hygiene monitoring if you suspect overexposure conditions exist and need a specific recommendation on proper ventilation techniques and personal protection.

Protection of hands:

Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties:

General Information:

Form: Aerosol
Color: According to trade name description in section 1.
Odor: Aromatic
Boiling point/Boiling range: -44°C

Flash point: -19°C

Ignition temperature: 470°C

Auto igniting: Product is not self-igniting.

Danger of explosion: Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120 degrees fahrenheit.
 In use, may form flammable/explosive vapour-air mixture.

Lower Explosion Limit: 2.6 Vol %
Upper Explosion Limit: 13.0 Vol %
Vapor Pressure: 40 PSI, 2750 hPa

Density at 20°C: 0.78546 g/cm³
Specific Gravity: Between 0.77 and 0.85 (Water equals 1.00)

VOC content: 148.3 g/l / 1.24 lb/gl
VOC content (less exempt solvents): 13.3 %
MIR value: 13.3 %
MIR Value: 0.00

Solids content: 22.7 %

10 Stability and reactivity:

Conditions to be avoided: Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.

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Possibility of Hazardous Reactions: No dangerous reactions known.

11 Toxicological information:

Primary effect on the skin: No irritant effect.

Primary effect on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations:

12 Ecological information

Other information: This product does not contain any chlorofluorocarbons (CFC's), chlorinated solvents, lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), or polybrominated diphenyl ether (PDBE). No specific ecological data is available for this product.

Aquatic toxicity: Hazardous for water, do not empty into drains.

13 Disposal considerations

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

Recommendation: Completely empty cans should be recycled.

14 Transport information:

Hazard class: 2.1
Identification number: N/A
Label: 2.1
ADR/RID class: 2 5F Gases
UN-Number: 1950
IMDG Class: 2.1
Packaging group: II
EMS Number: F-D,S-U
Marine pollutant: No
ICAO/IATA Class: 2.1
Proper shipping name: Aerosols, Flammable
 Consumer Commodity ORM-D

15 Regulations

SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances

Control Act): All ingredients are listed.

PROPOSITION 65 Chemicals known to cause cancer:

None of the ingredients in this product are listed.

EPA: A= Known human carcinogen B= Probable human carcinogen
 C= Possible human carcinogen
 D= Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).

67-64-1 Acetone

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IARC: Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.

Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans.

8008-20-6 Kerosine (petroleum)

2B

ACGIH TLVs: A1-designates a confirmed human carcinogen.
 A2-designates a suspected human carcinogen.
 A3-designates an animal carcinogen.
 A4-designates "not classifiable as a human carcinogen".

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Trade name: PENETRATING OIL

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8008-20-6	Kerosine (petroleum)	A3
67-64-1	Acetone	A4

NIOSH:

None of the ingredients is listed.

Hazard symbols: Irritant
Extremely flammable

Risk phrases: Extremely flammable.
Irritating to eyes.
Vapours may cause drowsiness and dizziness

Safety phrases: Keep out of the reach of children.
Do not breathe gas/fumes/vapour/spray.
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
If swallowed, seek medical advice immediately and show this container or label.
Use only in well-ventilated areas.

Special labeling of certain preparations: Keep out of the reach of children.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Contact: Regulatory Affairs

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 NFPA: National Fire Protection Association (USA)

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