

# SAFETY DATA SHEET



## Pyroil™ PENETRATING OIL

Version 4.0      Revision Date: 10/17/2019      SDS Number: 600000000011      Date of last issue: 09/06/2018  
Date of first issue: 05/23/2016

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### SECTION 1. IDENTIFICATION

Product name : PYROIL PENETRATING OIL 12/11 OC  
Product code : 596555

#### Manufacturer or supplier's details

Company name of supplier : Niteo Products, LLC  
Address : Dallas TX 75225  
Email Address : EHS@niteoproducts.com  
Telephone : 1-844-696-4836  
Emergency telephone number : 1-800-424-9300 / 1-703-741-5970

#### Recommended use of the chemical and restrictions on use

Recommended use : Lubricant  
Restrictions on use : Use only outdoors or in a well-ventilated area.

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Flammable aerosols : Category 1  
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)  
Aspiration hazard : Category 1

#### GHS label elements

Hazard pictograms : 

Signal word : Danger  
Hazard statements : Extremely flammable aerosol.  
May be fatal if swallowed and enters airways.  
May cause drowsiness or dizziness.  
Precautionary statements : **Prevention:**  
Keep away from heat/sparks/open flames/hot surfaces. No

# SAFETY DATA SHEET



## Pyroil™ PENETRATING OIL

Version 4.0      Revision Date: 10/17/2019      SDS Number: 600000000011      Date of last issue: 09/06/2018  
Date of first issue: 05/23/2016

smoking.  
Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.  
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Use only outdoors or in a well-ventilated area.

### Response:

IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
Do NOT induce vomiting.

### Storage:

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

### Disposal:

Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Distillates (petroleum)	64742-47-8	>= 70 - < 90
Distillates (petroleum)	64742-53-6	>= 10 - < 20
Distillates (petroleum)	64742-52-5	>= 10 - < 20
Diethylene glycol monobutyl ether	112-34-5	>= 1 - < 5
Carbon dioxide	124-38-9	>= 1 - < 5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.

If inhaled : Move to fresh air.  
Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of skin contact : If on skin, rinse well with water.

# SAFETY DATA SHEET



## Pyroil™ PENETRATING OIL

Version 4.0      Revision Date: 10/17/2019      SDS Number: 600000000011      Date of last issue: 09/06/2018  
Date of first issue: 05/23/2016

---

- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.
- If swallowed : Obtain medical attention.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : May be fatal if swallowed and enters airways.  
May cause drowsiness or dizziness.
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### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Alcohol-resistant foam
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Remove all sources of ignition.  
Ensure adequate ventilation.  
Avoid breathing dust.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.  
Evacuate personnel to safe areas.  
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
- 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.  
If the product contaminates rivers and lakes or drains inform respective authorities.
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# SAFETY DATA SHEET



## Pyroil™ PENETRATING OIL

Version 4.0      Revision Date: 10/17/2019      SDS Number: 600000000011      Date of last issue: 09/06/2018  
Date of first issue: 05/23/2016

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).  
Keep away from open flames, hot surfaces and sources of ignition.  
Use only explosion-proof equipment.  
Do not spray on a naked flame or any incandescent material.
- Advice on safe handling : Open drum carefully as content may be under pressure.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Do not breathe vapours/dust.  
Do not smoke.  
Take precautionary measures against static discharges.  
Dispose of rinse water in accordance with local and national regulations.  
Container hazardous when empty.  
Smoking, eating and drinking should be prohibited in the application area.  
For personal protection see section 8.
- Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
Keep container tightly closed in a dry and well-ventilated place.  
Observe label precautions.  
No smoking.
- Further information on storage stability : No decomposition if stored and applied as directed.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (petroleum)	64742-47-8	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL
Distillates (petroleum)	64742-53-6	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m <sup>3</sup>	ACGIH
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL

# SAFETY DATA SHEET



## Pyroil™ PENETRATING OIL

Version 4.0      Revision Date: 10/17/2019      SDS Number: 600000000011      Date of last issue: 09/06/2018  
 Date of first issue: 05/23/2016

Distillates (petroleum)	64742-52-5	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
Diethylene glycol monobutyl ether	112-34-5	TWA (Inhalable fraction and vapor)	10 ppm	ACGIH
Carbon dioxide	124-38-9	TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
		TWA	5,000 ppm 9,000 mg/m3	NIOSH REL
		ST	30,000 ppm 54,000 mg/m3	NIOSH REL
		TWA	5,000 ppm 9,000 mg/m3	OSHA Z-1
		TWA	10,000 ppm 18,000 mg/m3	OSHA P0
		STEL	30,000 ppm 54,000 mg/m3	OSHA P0

**Engineering measures** : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

### Personal protective equipment

**Respiratory protection** : In the case of vapour formation use a respirator with an approved filter.  
 In the case of dust or aerosol formation use respirator with an approved filter.

Hand protection

**Remarks** : Wear resistant gloves (consult your safety equipment supplier). The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Eye protection** : Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

**Skin and body protection** : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
 Wear as appropriate:  
 Impervious clothing  
 Flame-resistant clothing  
 Safety shoes

**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice.  
 When using do not smoke.  
 When using do not eat or drink.

# SAFETY DATA SHEET



## Pyroil™ PENETRATING OIL

Version 4.0      Revision Date: 10/17/2019      SDS Number: 600000000011      Date of last issue: 09/06/2018  
Date of first issue: 05/23/2016

---

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : aerosol

Odour : No data available

pH : No data available

Melting point/freezing point : No data available

Boiling point/boiling range : 179 °C  
Value for Component

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Self-ignition : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : No data available

Density : 0.813 g/cm<sup>3</sup> (15.6 °C)

Solubility(ies)  
Water solubility : No data available

Partition coefficient: n-octanol/water : No data available

Viscosity  
Viscosity, dynamic : No data available  
Viscosity, kinematic : Not applicable

Oxidizing properties : No data available

VOC % By Weight : 3.3 %

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.  
Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

# SAFETY DATA SHEET



## Pyroil™ PENETRATING OIL

Version 4.0      Revision Date: 10/17/2019      SDS Number: 600000000011      Date of last issue: 09/06/2018  
Date of first issue: 05/23/2016

---

Incompatible materials : Strong oxidizing agents  
Strong acids  
Strong bases  
Strong reducing agents

Hazardous decomposition products : Carbon oxides

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact  
Ingestion

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

#### Components:

##### **Distillates (petroleum):**

Acute oral toxicity : LD50 (Rat): > 5 g/kg

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

##### **Distillates (petroleum):**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

##### **Diethylene glycol monobutyl ether:**

Acute oral toxicity : LD50 (Rat): 3,305 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 2,734 mg/kg

#### **Skin corrosion/irritation**

Not classified based on available information.

#### Components:

##### **Distillates (petroleum):**

# SAFETY DATA SHEET



## Pyroil™ PENETRATING OIL

Version 4.0	Revision Date: 10/17/2019	SDS Number: 600000000011	Date of last issue: 09/06/2018 Date of first issue: 05/23/2016
----------------	------------------------------	-----------------------------	---

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Result: Repeated exposure may cause skin dryness or cracking.

### **Distillates (petroleum):**

Assessment: No skin irritation  
Result: No skin irritation

### **Diethylene glycol monobutyl ether:**

Result: Possibly irritating to skin

### **Carbon dioxide:**

Assessment: No skin irritation  
Result: No skin irritation

### **Serious eye damage/eye irritation**

Not classified based on available information.

### **Product:**

Remarks: Unlikely to cause eye irritation or injury.

### **Components:**

#### **Distillates (petroleum):**

Result: Possibly irritating to eyes

#### **Diethylene glycol monobutyl ether:**

Result: Irritating to eyes.

#### **Carbon dioxide:**

Result: No eye irritation

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

### **Components:**

#### **Diethylene glycol monobutyl ether:**

Test Type: Maximisation Test  
Species: Guinea pig  
Result: Did not cause sensitisation on laboratory animals.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

#### **Diethylene glycol monobutyl ether:**



# SAFETY DATA SHEET



## Pyroil™ PENETRATING OIL

Version 4.0      Revision Date: 10/17/2019      SDS Number: 600000000011      Date of last issue: 09/06/2018  
Date of first issue: 05/23/2016

---

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

Genotoxicity in vivo : Result: In vivo tests did not show mutagenic effects

### **Carcinogenicity**

Not classified based on available information.

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### **Reproductive toxicity**

Not classified based on available information.

#### **Components:**

##### **Diethylene glycol monobutyl ether:**

Effects on foetal development : Remarks: No teratogenic effects

##### **STOT - single exposure**

May cause drowsiness or dizziness.

#### **Components:**

##### **Distillates (petroleum):**

Target Organs: Central nervous system  
Assessment: May cause drowsiness or dizziness.

##### **STOT - repeated exposure**

Not classified based on available information.

##### **Repeated dose toxicity**

#### **Components:**

##### **Diethylene glycol monobutyl ether:**

NOAEL: 250 mg/kg  
LOAEL: 1,000 mg/kg  
Application Route: Oral  
Target Organs: Blood

##### **Aspiration toxicity**

May be fatal if swallowed and enters airways.

#### **Components:**

##### **Distillates (petroleum):**

May be fatal if swallowed and enters airways.

# SAFETY DATA SHEET



## Pyroil™ PENETRATING OIL

Version 4.0      Revision Date: 10/17/2019      SDS Number: 600000000011      Date of last issue: 09/06/2018  
Date of first issue: 05/23/2016

---

### Distillates (petroleum):

May be fatal if swallowed and enters airways.

### Distillates (petroleum):

May be fatal if swallowed and enters airways.

### Further information

#### Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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## SECTION 12. ECOLOGICAL INFORMATION

### Toxicity

Additional ecological information : No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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## SECTION 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

### International Regulations

#### IATA-DGR

UN/ID No. : UN 1950  
Proper shipping name : Aerosols, flammable  
Class : 2.1  
Packing group : Not assigned by regulation  
Labels : 2.1  
Packing instruction (cargo aircraft) : 203  
Packing instruction (passenger aircraft) : 203

#### IMDG-Code

# SAFETY DATA SHEET



## Pyroil™ PENETRATING OIL

Version 4.0      Revision Date: 10/17/2019      SDS Number: 600000000011      Date of last issue: 09/06/2018  
Date of first issue: 05/23/2016

UN number : UN 1950  
Proper shipping name : AEROSOLS  
Class : 2.1  
Packing group : Not assigned by regulation  
Labels : 2.1  
EmS Code : F-D, S-U  
Marine pollutant : no

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

#### 49 CFR

UN/ID/NA number : UN 1950  
Proper shipping name : Aerosols

Class : 2.1  
Packing group : Not assigned by regulation  
Labels : 2.1  
ERG Code : 126  
Marine pollutant : no

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Diethyl phthalate	84-66-2	1000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Specific target organ toxicity (single or repeated exposure)  
Aspiration hazard

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Diethylene glycol mono-butyl ether	112-34-5	>= 1 - < 5 %
Ethylene glycol mono-butyl ether	111-76-2	< 0.1 %

# SAFETY DATA SHEET



## Pyroil™ PENETRATING OIL

Version  
4.0

Revision Date:  
10/17/2019

SDS Number:  
600000000011

Date of last issue: 09/06/2018  
Date of first issue: 05/23/2016

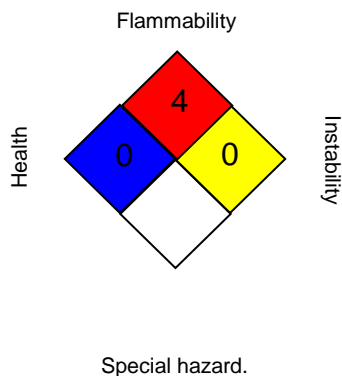
### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



Revision Date : 10/17/2019

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.

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