

MSDS Browser Format

Petroleum Ether  
Material Safety Data Sheet

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## **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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**PRODUCT NAME:** Petroleum Ether

**OTHER/GENERIC NAMES:** Ligroin, Petroleum Spirits, Petroleum distillates, VM&P Naptha.

**PRODUCT USE:** Solvent

**MANUFACTURER:**Honeywell

**FOR MORE INFORMATION****CALL:**

(Monday-Friday, 9:00am-4:30pm)  
 Product Safety Department  
 800.368.0050  
 231.726.3171

**IN CASE OF EMERGENCY****CALL:**

(24 Hours/Day, 7 Days/Week)  
 973-455-2000 (Honeywell,  
 Morristown, NJ)  
 1-800-424-9300 (Chemtrec)

**2. COMPOSITION/INFORMATION ON INGREDIENTS**[BACK TO KEY](#)

| INGREDIENT NAME | CAS NUMBER | WEIGHT % |
|-----------------|------------|----------|
| Petroleum Ether | 8032-32-4  | ~100     |

Trace impurities and additional material names not listed above may also appear in Section 15 toward the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

**3. HAZARDS IDENTIFICATION**[BACK TO KEY](#)**EMERGENCY OVERVIEW:**

Extremely Flammable. Clear volatile liquid. Moderately toxic by ingestion. Mildly toxic by inhalation.


**POTENTIAL HEALTH HAZARDS**

**SKIN:** Irritant. Can cause dermatitis through defatting of the skin.

**EYES:** Irritant. Liquid and vapor concentration can cause redness and itching.

**INHALATION:** Can cause headache, nausea, drowsiness, vomiting, disorientation, and loss of consciousness. Can cause lung and kidney damage. A central nervous system depressant

**INGESTION:** Do not induce vomiting unless instructed to do so by a physician. Get medical assistance immediately.



**DELAYED EFFECTS:** Can cause damage to the respiratory tract, kidneys, and central nervous system.

**FLAME PROPAGATION RATE (solids):**  
**OSHA FLAMMABILITY CLASS:**

Not Applicable  
IA

**EXTINGUISHING MEDIA:**

Carbon dioxide, dry chemical or alcohol foam.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Dangerous fire hazard when exposed to heat or flame. Vapor is heavier than air and danger of flashback exists.

**SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:**

Do not release runoff from fire fighting efforts to sewers or waterways. Fire may produce toxic fumes. Always wear Self Contained Breathing Apparatus.

[6. ACCIDENTAL RELEASE MEASURES](#)

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**IN CASE OF SPILL OR OTHER RELEASE:**

(Always wear recommended personal protective equipment.) Eliminate sources of ignition. Isolate the spill area. Stop leak in a safe and practical manner. (If leak cannot be stopped easily and safely, advise trained emergency response personnel of the situation.) Using inert material (such as ground corncobs) dike the spilled solvent to prevent it from running into drains or waterways.

Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.

[7. HANDLING AND STORAGE](#)

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**NORMAL HANDLING:**

(Always wear recommended personal protective equipment.) Flammable liquid and vapors. Keep container closed. Do not breathe vapors. Avoid contact with skin, eyes and mucous membranes. Keep away from heat, sparks and flame. Electrically ground all handling equipment. Protective neoprene or rubber gloves and apron are recommended. Ensure contents are at or below room temperature before opening container(s).

**STORAGE RECOMMENDATIONS:**

Store in an area designed for storage of flammable liquids. (OSHA 29 CFR 1910.106)

Protect from temperature extremes and sunlight, and store away from incompatible substances and in accordance with 29 CFR 1910.106. Avoid acids, bases, oxidizers, explosives, nitrogen-fluorine compounds, sulfites, perchlorates. Flammable liquid and vapor. Once liquid solvent has been completely dispensed, containers which appear "empty" should be handled in the same manner as when they were "full" of liquid solvent.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### **ENGINEERING CONTROLS:**

Provide general or local exhaust ventilation systems to maintain airborne concentrations below exposure limits. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

### **PERSONAL PROTECTIVE EQUIPMENT**

#### **SKIN PROTECTION:**

Wear chemically protective gloves, boots and aprons to prevent prolonged or repeated skin contact.

#### **EYE PROTECTION:**

Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices.

#### **RESPIRATORY PROTECTION:**

Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

#### **ADDITIONAL RECOMMENDATIONS:**

Ensure that emergency eyewash stations and washing facilities are available in work area..

### **EXPOSURE GUIDELINES**

| INGREDIENT NAME | ACGIH TLV | OSHA PEL | OTHER LIMIT |
|-----------------|-----------|----------|-------------|
| Petroleum Ether | 300 ppm   | 300 ppm  | None        |

\* = Limit established by Honeywell.

\*\* = Workplace Environmental Exposure Level (AIHA).

\*\*\* = Biological Exposure Index (ACGIH).

#### OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS:

None

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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|  |   |
|--|---|
| <b>APPEARANCE:</b>                     | Clear, colorless  |
| <b>PHYSICAL STATE:</b>                 | Liquid  |
| <b>MOLECULAR WEIGHT:</b>               | Not determined  |
| <b>CHEMICAL FORMULA:</b>               | Mixture of paraffins, naphthas, and other hydrocarbons. |
| <b>ODOR:</b>                           | Gasoline like odor                                      |
| <b>SPECIFIC GRAVITY (water = 1.0):</b> | 0.64 g/ml @ 20°C  |
| <b>SOLUBILITY IN WATER (weight %):</b> | 0.04% @ 20°C  |
| <b>pH:</b>                             | Not Applicable  |
| <b>BOILING POINT:</b>                  | (35°C - 60°C):  |
| <b>MELTING POINT:</b>                  | <-73°C  |
| <b>VAPOR PRESSURE:</b>                 | 40 mm Hg @ 20°C   |
| <b>VAPOR DENSITY (air = 1.0):</b>      | 3   |
| <b>EVAPORATION RATE:</b>               | >10 COMPARED TO: Butyl Acetate = 1                      |
| <b>% VOLATILES:</b>                    | 100%  |
| <b>FLASH POINT:</b>                    | 55°F (13°C)   |

(Flash point method and additional flammability data are found in Section 5.)

### 10. STABILITY AND REACTIVITY

usual and reasonable storage and handling conditions.

**INCOMPATIBILITIES:**

Strong Oxidizers.

**CONDITIONS TO AVOID:**

Oxidizers, Strong Acids, Heat and other ignition sources.

**HAZARD**fn-2.2603 TD (CONDITIONS S7u22TOS6 1 T PRODUCT

Yes

**If yes, the RCRA ID number is: D001**

**OTHER DISPOSAL CONSIDERATIONS:**

Dispose of material in accordance with all applicable local, state, and federal regulations. The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

[14. TRANSPORT INFORMATION](#)

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|                                     |                              |
|-------------------------------------|------------------------------|
| <b>US DOT PROPER SHIPPING NAME:</b> | Petroleum distillates n.o.s. |
| <b>US DOT HAZARD CLASS:</b>         | 3, Flammable Liquid          |
| <b>US DOT ID NUMBER:</b>            | UN1268                       |
| <b>US DOT PACKING GROUP:</b>        | I                            |
| <b>NA EMERGENCY RESPONSE GUIDE:</b> | 128                          |

BACK15.Tj 36oID number is: D001



Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

**SECTION 311 HAZARD CLASS:** Acute, Fire, Reactive

**SARA 313 TOXIC CHEMICALS:**

The following ingredients are SARA 313 "Toxic Chemicals". CAS numbers and weight percents are found in Section 2.

| <b>INGREDIENT NAME</b>                 | <b>Comment)</b> |
|--|-----------------|
| No ingredients listed in this section. |                 |

**STATE RIGHT-TO-KNOW**

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

| <b>INGREDIENT NAME</b>                 | <b>WEIGHT %</b> | <b>Comment)</b> |
|--|-----------------|-----------------|
| No ingredients listed in this section. |                 |                 |

Health: 1  
Flammability: 4  
Reactivity: 0

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webmaster@honeywell.com

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