



Material Safety Data Sheet

Revision Date 13-Dec-2010

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 83603
Product name Kwikie Penetrant with A/T plus Moly Penetrant
Recommended Use

Supplier Lawson Products, Inc.
1666 East Touhy Avenue
Des Plaines, IL 60018
(847)-827-9666

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Irritant. Combustible material.

Aggravated Medical Conditions
None Known.

Principal Routes of Exposure
Skin. Ingestion. Inhalation.

Potential health effects

Eyes Contact with eyes may cause irritation. Severity depends on degree of exposure.

Skin May cause the following effects: . Mild irritation. Defatting.

Inhalation May cause the following effects. Dizziness. Prolonged overexposure may cause. Possible unconsciousness.

Ingestion May cause the following effects. Headache. Nausea. Drowsiness . Unconsciousness.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % |
|-------------------|------------|----------|
| 2-Butoxyethanol | 111-76-2 | 5-10 |
| Toluene | 108-88-3 | 0-5 |
| Isopropyl alcohol | 67-63-0 | 5-15 |
| Mineral Spirits | 64742-47-8 | 30-60 |
| Mineral Seal Oil | 64741-44-2 | 35-45 |

4. FIRST AID MEASURES

Eye contact Flush with plenty of water for at least 15 minutes.

Skin contact Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Ingestion Call a physician or Poison Control Center immediately.

Inhalation Remove to fresh air.

5. FIRE FIGHTING MEASURES

Flash point °C > 85
Flash point °F > 185
Method Tag Closed Cup

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)
Upper 6.0
Lower 1.0

Suitable extinguishing media
Carbon dioxide (CO2). Foam. Water fog.

Special protective equipment for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Fire and Explosion Hazards
Combustible liquid.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up
Absorb with fire resistant absorbent. Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

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Moly**

7. HANDLING AND STORAGE

Handling

Keep away from open flames, hot surfaces and sources of ignition. Keep container sealed.

Storage

Keep tightly closed in a dry and cool place. Store at room temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Chemical Name | OSHA PEL (TWA) | OSHA PEL (Ceiling) | ACGIH OEL (TWA) | ACGIH OEL (STEL) |
|-------------------|----------------------------------|--------------------|-----------------|------------------|
| Mineral Seal Oil | - | - | - | - |
| Mineral Spirits | - | - | - | - |
| Isopropyl alcohol | 400 ppm 980 mg/m ³ | - | 200 ppm | 400 ppm |
| 2-Butoxyethanol | 240 mg/m ³ 50 ppm | - | 20 ppm | - |
| Toluene | 200 ppm | 300 ppm | 20 ppm | - |

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

Hygiene measures

Wash hands after handling the product.

Respiratory protection

Use NIOSH approved respirator if TLV limit is exceeded.

Hand Protection

Gloves are not required in normal use.

Eye protection

ANSI approved safety goggles are recommended to prevent accidental eye contact.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--------------------------|
| Form | Liquid |
| Color | Black |
| Odor | Mild Solvent |
| Odor Threshold | No information available |
| pH | No data available |
| Specific Gravity | 0.78 |
| Vapor pressure | 8 + mmHg @ 25°C |
| Vapor density | > 1 (Air=1) |
| Evaporation Rate | <1 (Butyl Acetate = 1) |
| Water solubility | 0% |
| VOC Content | 19.3 % |
| Partition Coefficient (n-octanol/water) | No data available |
| Boiling point/range °C | 82 |
| Boiling point/range °F | 180 |
| Melting point/range °C | Not Applicable |

Melting point/range °F

Not Applicable

Flash point °C

> 85

Flash point °F

> 185

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Heat, flames and sparks.

Incompatibility

Some plastics.

Hazardous Decomposition Products

None known.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

| Chemical Name | LD50 (oral, rat) | LD50 (dermal, rat/rabbit) | LC50 (inhalation, rat) |
|--------------------------------|------------------|----------------------------|------------------------|
| Mineral Seal Oil 64741-44-2 | 5000 mg/kg | 2000 mg/kg | 1.72 mg/L |
| Mineral Spirits 64742-47-8 | 5000 mg/kg | 2000 mg/kg | 5.2 mg/L |
| Isopropyl alcohol 67-63-0 | 4396 mg/kg | 12800 mg/kg 12870 mg/kg | 72.6 mg/L |
| 2-Butoxyethanol 111-76-2 | 470 mg/kg | 220 mg/kg 2270 mg/kg | 2.21 mg/L 450 ppm |
| Toluene 108-88-3 | 636 mg/kg | 12124 mg/kg 8390 mg/kg | 12.5 mg/L 26700 ppm |

Synergistic Products

None known

Potential health effects

Sensitization

None known

Chronic toxicity

None known

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

See Section 2

Carcinogenic effects

See table below

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| Chemical Name | ACGIH OEL - Carcinogens | IARC | NTP - Known Carcinogens | NTP - Suspected Human Carcinogens | OSHA RTK Carcinogens |
|-------------------|-------------------------|------------|-------------------------|-----------------------------------|----------------------|
| Mineral Seal Oil | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed |
| Mineral Spirits | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed |
| Isopropyl alcohol | Listed | Not Listed | Not Listed | Not Listed | Not Listed |
| 2-Butoxyethanol | Listed | Not Listed | Not Listed | Not Listed | Not Listed |
| Toluene | Listed | Not Listed | Not Listed | Not Listed | Not Listed |

12. ECOLOGICAL INFORMATIONMineral Spirits**Water Flea Data***Den-dronereides heteropoda* hLC50 96 (4720 mg/L)Isopropyl alcohol**Microtox Data***Photobacterium phosphoreum* EC50=35390 mg/L (5 min)**Water Flea Data***Daphnia magna* hEC50 48 (13299 mg/L)2-Butoxyethanol**Water Flea Data***water flea* hEC50 24 (1720 mg/L)*Daphnia magna* hLC50 24 (1698 - 1940 mg/L)Toluene**Microtox Data***Photobacterium phosphoreum* EC50=19.7 mg/L (30 min)**Water Flea Data***water flea* hEC50 48 (11.3 mg/L)*water flea* hEC50 48 (310 mg/L)*Daphnia magna* hEC50 48 (11.3 mg/L)*water flea* hEC50 48 (11.3 mg/L)**13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations. Do not puncture or incinerate. Do not reuse container. Wrap container and place in trash collection.

14. TRANSPORTATION INFORMATION**DOT**

Not Regulated

TDG

Not Regulated

15. REGULATORY INFORMATIONUS EPA SARA 313

| Chemical Name | US EPA SARA 313 Emission Reporting |
|-------------------|------------------------------------|
| Isopropyl alcohol | Listed |
| Toluene | Listed |

State Regulations

| Chemical Name | New Jersey - RTK | Pennsylvania - RTK | California Prop. 65 |
|-------------------|------------------|--------------------|---------------------|
| Mineral Seal Oil | Not Listed | Not Listed | Not Listed |
| Mineral Spirits | Not Listed | Not Listed | Not Listed |
| Isopropyl alcohol | Listed | Listed | Not Listed |
| 2-Butoxyethanol | Listed | Listed | Not Listed |
| Toluene | Listed | Listed | Developmental |

WARNING: This product contains a chemical(s) known to the state of California to cause birth defects or other reproductive harm

International Inventories

| Chemical Name | EINECS | DSL | NDSL | TSCA |
|-------------------|--------|-----|------|------|
| Mineral Seal Oil | X | X | - | X |
| Mineral Spirits | X | X | - | X |
| Isopropyl alcohol | X | X | - | X |
| 2-Butoxyethanol | X | X | - | X |
| Toluene | X | X | - | X |

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATIONHMIS**Health - 1****Flammability - 2****Physical Hazard - 1****Prepared By**J. Cameron, Regulatory Affairs
Coordinator

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.