

MSDS NO. 02007392

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**PEN OILER**

DENTAL HANDPIECE  
LUBRICANT

**PEN OILER -DENTALAIRE**

EMERGENCY HEALTH INFORMATION: (800) 447-8735  
EMERGENCY SPILL INFORMATION: (800) 424-9300  
CHEMTREC, U.S.A. -  
OTHER PRODUCT SAFETY INFORMATION: (312) 856-3907

IMPORTANT COMPONENTS: Severely hydroprocessed paraffinic white mineral oil  
(CAS 8042-47-5) ACGIH TWA 5 mg/m3, STEL 10 mg/m3  
(oil mist); OSHA PEL 5 mg/m3 (oil mist).

WARNING STATEMENT: This product has been evaluated and does not require any hazard warning label under the OSHA Hazard Communication standard. Not for internal use in human pharmaceutical applications. Tocopherol added as an antioxidant.

HMSIS/NFPA CODES: (HEALTH;0) (FLAMMABILITY;1) (REACTIVITY;0)

APPEARANCE AND ODOR: Water-white oily liquid.

HEALTH HAZARD INFORMATION

EYE

EFFECT: No significant health hazards identified.  
FIRST AID: Flush eyes with plenty of water.  
PROTECTION: None required; however, use of eye protection is good industrial practice.

SKIN

EFFECT: No significant health hazards identified.  
FIRST AID: None required.  
PROTECTION: None required.

INHALATION

EFFECT: No significant health hazards identified.  
FIRST AID: If adverse effects occur, remove to uncontaminated area. Get medical attention.  
PROTECTION: if ventilation is inadequate, and if mist generated, use NIOSH/MSHA certified respirator which will protect against dust/mist.

INGESTION

EFFECT: No significant health hazards identified,  
FIRST AID: None required.

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## FIRE AND EXPLOSION INFORMATION

FLASHPOINT: 340°F, Minimum (COC)

EXTINGUISHING MEDIA: Agents approved for Class B hazards (e.g., dry chemical, carbon dioxide, halogenated agents, foam, steam) or water fog.

## REACTIVITY INFORMATION

DANGEROUS REACTIONS: None identified.

HAZARDOUS DECOMPOSITION: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

STABILITY: Stable,

## CHEMICAL AND PHYSICAL PROPERTIES

SOLUBILITY IN WATER: Negligible, below 0.1%.

SPECIFIC GRAVITY (WATER - 1): 0.82 TO 0.88

VISCOSITY: 76-80 SUS @ 100op

POUR POINT: Maximum 20°F

## STORAGE AND ENVIRONMENTAL PROTECTION

STORAGE REQUIREMENTS: No special requirements.

SPILLS AND LEAKS: Contain on an absorbent material (e.g., sand, sawdust, dirt, clay).

WASTE DISPOSAL: Disposal must be in accordance with applicable federal, state, or local regulations.

## TOXICOLOGICAL INFORMATION

EYE: A similar material produced a primary eye irritation score of 1.0/110; 24 hr. (rabbit).

SKIN: A, similar material produced a primary dermal irritation score of 2.7/8.0. A similar material had an LD50 greater than 2 g/kg and was not a skin sensitizer. A, similar material produced minimal skin irritation in humans (0.1112) when " applied for four days.

INGESTION: A similar material had an LD50 greater than 5 g/kg.

A representative white mineral-oil was not carcinogenic to the skin of mice in a two-year study.

Minor changes have been reported in the lungs of animals exposed to mineral oil mist at a concentration of 100 mg/m<sup>3</sup> for two years. No changes have been detected in animals exposed to oil mist at a concentration of 5 mg/m<sup>3</sup> or 50 mg/m<sup>3</sup> for 2 years or 18 months, respectively.

No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer

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TOXICOLOGICAL INFORMATION - CONTINUED

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(IARC).

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REGULATORY INFORMATION

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## CERCLA REPORTABLE QUANTITY:

This product is not reportable under 40 CFR Part 302.4.

DOT SHIPPING DESCRIPTION: Not regulated.

OSHA HAZARD COMMUNICATION STANDARD: Listed by ACGIH. Listed by OSHA.

## RCRA STATUS:

This product is not subject to the 40 CFR Part 268.30 land ban on the disposal of certain hazardous wastes.

## SARA STATUS:

This product is not regulated under SARA Title III, 42 USC 9601.

TSCA STATUS: All of the components of this product are listed on the TSCA Inventory.

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SUPPLEMENTAL INFORMATION

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USDA STATUS: This product is acceptable to the USDA as a lubricant with incidental food contact (HI status) and also for use as a release agent on grills, loaf pans, boning benches, chopping blocks, and other hard surfaces to prevent food from adhering during processing (3H status) in establishments operating under the Federal meat and poultry inspection program.

FDA STATUS: This product meets or exceeds FDA requirements for direct use in food according to 21 CFR 172.876. It may also be used in products where indirect (incidental) contact with food may occur under 21 CFR 178.3620 and for animal feed under 21 CFR 573.680.

Kosher Certification: This product is certified Kosher.

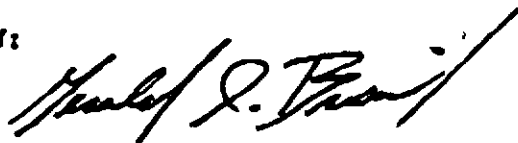
This product meets the requirements for light mineral oil as described in the U.S. Pharmacopeia XX/National Formulary XV.

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ISSUE INFORMATION

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BY:

G. I. Bresnick, Director  
Product Stewardship & ToxicologyISSUED: January 05, 1993  
SUPERSEDES January 03, 1992

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This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

8 pgs for (additive) added to the pen oilers  
cleaner  
10/25/11

**MATERIAL SAFETY DATA SHEET**

**ExxonMobil Chemical Company**  
**A Division of Exxon Mobil Corporation**

**DATE PREPARED: NOV 13, 2002**  
**MSDS NO.: 82873686**

**EXXSOL D 110 FLUID**

**CLEANER ADDED TO OIL IN PEN OILERS**

**SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME: EXXSOL D 110 FLUID**

**CHEMICAL NAME:**

Aliphatic Hydrocarbon

64742-47-8

**CHEMICAL FAMILY:**

Petroleum Hydrocarbon

**PRODUCT DESCRIPTION:**

Clear colorless liquid.

**CONTACT ADDRESS:**

ExxonMobil Chemical Company  
P.O. Box 3272, Houston, Texas 77253-3272

- \*\* **EMERGENCY TELEPHONE NUMBERS: (24 Hours)** \*\*
- \*\* **CH2M HILL** (800) 424-9300 \*\*
- \*\* **ExxonMobil Chemical Company** (800) 726-2015 \*\*

**NON EMERGENCY TELEPHONE NUMBERS : (8am-5pm M-F)**  
**FOR GENERAL PRODUCT INFORMATION CALL :** (281) 870-6000  
**FOR HEALTH AND MEDICAL INFORMATION CALL :** (281) 870-6884

**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

This product is not hazardous as defined in 29 CFR1910.1200

**SECTION 3 HAZARDS IDENTIFICATION**

**POTENTIAL HEALTH EFFECTS**

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## EXXSOL D 110 FLUID

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### EYE CONTACT:

Slightly irritating but does not injure eye tissue.

### SKIN CONTACT:

Low order of toxicity.

Frequent or prolonged contact may irritate and cause dermatitis.

Skin contact may aggravate an existing dermatitis condition.

### INHALATION:

High vapor/aerosol concentrations (attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anaesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death

### INGESTION:

Minimal toxicity.

Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

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## SECTION 4 FIRST AID MEASURES

### EYE CONTACT:

Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

### SKIN CONTACT:

Flush with large amounts of water; use soap if available.

Remove grossly contaminated clothing, including shoes, and launder before reuse.

### INHALATION:

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

### INGESTION:

If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

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## SECTION 5 FIRE-FIGHTING MEASURES

**FLASH POINT:** 221 Deg F. METHOD: PMCC ASTM D93 NOTE: Minimum  
**FLAMMABLE LIMITS:** LEL: 0.5 UEL: 4.6 @ 77 Deg F. NOTE: Approximate  
**AUTOIGNITION TEMP.:** 469 Deg F. NOTE: Approximate

### GENERAL HAZARD

Low Hazard, liquid can burn upon heating to temperatures at or above the flashpoint.  
Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge.  
"Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

### FIRE FIGHTING

Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire.  
Use foam, dry chemical, or water spray to extinguish fire.  
Avoid spraying water directly into storage containers due to danger of boilover.

### DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

No unusual

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

### LAND SPILL

Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 15 REGULATORY INFORMATION) notify the National Response Center.  
Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth.  
Recover by pumping or with a suitable absorbent.

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Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

### WATER SPILL

Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear.

Remove from surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

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## SECTION 7 STORAGE AND HANDLING

### ELECTROSTATIC ACCUMULATION HAZARD

Yes, use proper bonding and/or grounding procedure.

Additional information regarding safe handling of products with static accumulation potential can be ordered by contacting the American Petroleum Institute (API) for API Recommended Practice 2003, entitled "Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents" (American Petroleum Institute, 1220 L Street Northwest, Washington, DC 20005), or the National Fire Protection Association (NFPA) for NFPA 77 entitled "Static Electricity" (National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101).

### STORAGE TEMPERATURE Deg F:

Ambient

### LOADING/UNLOADING TEMPERATURE Deg F:

Ambient

### STORAGE/TRANSPORT PRESSURE mmHg:

Atmospheric

### LOADING/UNLOADING VISCOSITY cSt:

2.8

### STORAGE AND HANDLING:

Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials.

Do NOT handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight.

Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures.

Do NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Do NOT reuse empty containers without commercial cleaning or reconditioning.



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## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE CONTROLS

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a lab hood. Provide mechanical ventilation of confined spaces. See respiratory protection recommendations.

### PERSONAL PROTECTION

For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves. Where contact may occur, wear safety glasses with side shields. Where concentrations in air may exceed the limits given in this section and engineering, work practice or other means of exposure reduction are not adequate, NIOSH approved respirators may be necessary to prevent overexposure by inhalation.

### WORKPLACE EXPOSURE GUIDELINES

ExxonMobil RECOMMENDS THE FOLLOWING OCCUPATIONAL EXPOSURE LIMITS:  
a TWA of 1200 mg/m<sup>3</sup> (143 ppm) based on total hydrocarbon.

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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY at Deg F:	0.81 at 60
DENSITY at Deg F:	6.8 lbs/gal at 59
VAPOR PRESSURE, mmHg at Deg F:	0.02 at 68
SOLUBILITY IN WATER, wt. % at Deg F:	Less than 0.01 at 77
VISCOSITY OF LIQUID, cSt at Deg F:	3.5 at 77 Approximate
SP. GRAV. OF VAPOR, at 1 atm (Air=1):	7.50
FREEZING/MELTING POINT, Deg F:	-54 (Pour Point)
EVAPORATION RATE, n-Bu Acetate=1:	Less than 0.01
BOILING POINT, Deg F:	459 to 531

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## SECTION 10 STABILITY AND REACTIVITY

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**STABILITY:**

Stable

**CONDITIONS TO AVOID INSTABILITY:**

Not applicable

**HAZARDOUS POLYMERIZATION:**

Will not occur

**CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION:**

Not applicable

**MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:**

Strong oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:**None

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**SECTION 11 TOXICOLOGICAL INFORMATION**

Please refer to Section 3 for available information on potential health effects.

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**SECTION 12 ECOLOGICAL INFORMATION**

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

Please refer to Sections 5, 6 and 15 for disposal and regulatory information.

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EXXSOL D 110 FLUID

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## SECTION 14 TRANSPORT INFORMATION

### DEPARTMENT OF TRANSPORTATION (DOT):

This product is not DOT regulated.

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## SECTION 15 REGULATORY INFORMATION

### TSCA:

This product is listed on the TSCA Inventory at CAS Registry Number 64742-47-8

### Clean Water Act/Oil Pollution Act:

This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802.

### CERCLA:

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act. We recommend you contact local authorities to determine if there may be other local reporting requirements.

### SARA TITLE III:

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:  
Not Hazardous.

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## SECTION 16 OTHER INFORMATION

### NOTES:

This product has been evaluated by ExxonMobil Chemical Company and determined to meet the low vapor pressure (LVP) exemption set by the California Air Resources Board for volatile organic compounds in consumer products

# MATERIAL SAFETY DATA SHEET

**ExxonMobil Chemical Company  
A Division of Exxon Mobil Corporation**

**DATE PREPARED: NOV 13, 2002**

**MSDS NO.: 92873888**

**EXXSOL D 110 FLUID**

(California Code of Regulations, Title 17, Article 2, Section 94510).

**HAZARD RATING SYSTEMS:**

This information is for people trained in:  
 National Paint & Coatings Association's (NPCA)  
 Hazardous Materials Identification System (HMIS)  
 National Fire Protection Association (NFPA 704)  
 Identification of the Fire Hazards of Materials

	<u>NPCA-HMIS</u>	<u>NFPA 704</u>	<u>KEY</u>
<b>HEALTH</b>	1	1	4 = Severe
<b>FLAMMABILITY</b>	1	1	3 = Serious
<b>REACTIVITY</b>	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

**CAUTION:** HMIS ratings are based on a 0-4 rating scale with 1 representing minimal hazards or risks, and 4 representing significant hazards or risks. Recommended HMIS ratings should not be used in the absence of a fully implemented HMIS hazard communication program.

**REVISION SUMMARY:**

Since August 13, 2002 this MSDS has been revised in Section(s):  
 5, 6, 9

**REFERENCE NUMBER:**

**HDHA-C-25027**

**SUPERSEDES ISSUE DATE:**

**August 13, 2002**

Document Group Number: 4400140HUS

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

**PRIVATE LABEL  
PACKAGING**

# Fax

**To: DENTALAIRE**

**From: PRIVATE LABEL  
PACKAGING - ARLENE**

**ATTN: NELLY**

**Pages: 13 INCLUDING  
COVER**

**Fax: 714-540-9947**

**Phone:**

**Date: 10-25-11**

**Re:**

**cc:**

- Urgent
- For Review
- Please Comment
- Please Reply
- Please Recycle

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**ENCLOSED PLEASE FIND THE MSDS FOR THE PEN OILERS.**

**4 PAGES ARE THE OIL**

**8 PAGES ARE THE ADDITIVE FOR CLEANER ADDED TO THE OIL.**

**ANY QUESTIONS PLEASE CALL**

**ARLENE**