

# MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company  
A Division of Exxon Mobil Corporation

DATE PREPARED 07/28/04

OMS

MSDS NO. 92849691

## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: OMS

CHEMICAL NAME:

Synthetic Isoparaffinic Hydrocarbon

64742-48-9

CHEMICAL FAMILY:

Aliphatic Hydrocarbon

PRODUCT DESCRIPTION:

Clear colorless liquid.

CONTACT ADDRESS:

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

EMERGENCY TELEPHONE NUMBER: (24 HOURS)

CHEMTREC (800) 424-9300  
ExxonMobil Chemical Company (800) 726-2015

NON EMERGENCY TELEPHONE NUMBERS: (8am-5pm M-F)

FOR GENERAL PRODUCT INFO: (281) 870-6000

FOR HEALTH AND MED INFO: (281) 870-6884

## SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

This product is hazardous as defined in 29 CFR1910.1200.  
OSHA HAZARD  
Combustible

## SECTION 3 HAZARDS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:**

Slightly irritating but does not injure eye tissue.

**SKIN CONTACT:**

Frequent or prolonged contact may irritate and cause dermatitis.  
Low order of toxicity.  
Skin contact may aggravate an existing dermatitis condition.

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## 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:

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.  
Minimal toxicity.

## 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.

## SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: 120 Deg F. METHOD: TCC ASTM D56 NOTE: Minimum

FLAMMABLE LIMITS: LEL: 0.7 UEL: 5.4 @ 77 Deg F. NOTE: Approximate

AUTOIGNITION TEMPERATURE: 689 Deg F.

### GENERAL HAZARD:

Combustible Liquid, can form combustible mixtures at 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

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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.

This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

## **DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:**

No unusual

## **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. Do not use combustible materials such as sawdust.

Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.

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 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:**

2.1

### **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.

## 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:**

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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.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY at Deg F:	0.76 at 60
VAPOR PRESSURE, mmHg at Deg F:	0.78 at 68 Estimate
SOLUBILITY IN WATER, wt. % at Deg F:	Less than 0.01 at 77
VISCOSITY OF LIQUID, cSt at Deg F:	1.8 at 77
SP. GRAV OF VAPOR, at 1 atm(Air=1):	5.40 Calculated
FREEZING/MELTING POINT, Deg F:	Less than -81
EVAPORATION RATE, n-Bu Acetate=1:	0.1
BOILING POINT, Deg F:	354 to 369

## SECTION 10 STABILITY AND REACTIVITY

### 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

## 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.

## SECTION 13 DISPOSAL CONSIDERATIONS

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

## SECTION 14 TRANSPORT INFORMATION

### DEPARTMENT OF TRANSPORTATION (DOT):

DOT SHIPPING DESCRIPTION: PETROLEUM DISTILLATE, N.O.S., COMBUSTIBLE LIQUID  
UN 1268, III

Note: In containers of 119 gallons capacity or less this product is not regulated by DOT.

## SECTION 15 REGULATORY INFORMATION

### TSCA:

This product is listed on the TSCA Inventory at CAS Registry Number 64742-48-9

### 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:

Fire.

This information may be subject to the provisions of the Community Right-to-Know Reporting Requirements (40 CFR 370) if threshold quantity

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criteria are met.

## SECTION 16 OTHER INFORMATION

### NOTES:

INTERNATIONAL PACKAGE CLASSIFICATION: Petroleum Distillates, N.O.S., 3,  
UN1268, III (49 degC c.c.)

### 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

	NPCA-HMIS	NFPA 704	KEY
HEALTH	1	1	4 = Severe
FLAMMABILITY	2	2	3 = Serious
REACTIVITY	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 February 27, 2003 this MSDS has been revised in Section(s):  
16

### REFERENCE NUMBER:

HDHA-C-25036

### SUPERSEDES ISSUE DATE:

February 27, 2003

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.

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