



**Material Safety Data Sheet  
MOTION PRO SYNCPRO FLUID**

Last updated: March 2014

**1. Product and Company Identification**

**Product Trade Name** Motion Pro SyncPro Fluid (P/N 08-0581)  
**CAS Number** Not applicable for mixtures  
**Synonyms** None  
**Generic Chemical Name** Petroleum Oil  
**Product Type** Hydraulic oil  
**Transportation Emergency** CHEMTREC 1-800-424-9300 (Outside USA 703-527-3887)  
**MSDS No.** MPBO4

**2. Composition/Information on Ingredients**

Common Name	Chemical Name	CAS No.	Range (%)
Distillates, petroleum medium aliphatic		64742-88-7	80-100
Distillates, hydrotreated medium paraffinic		64742-54-7	10-20
Multi-functional additive mixture		Confidential	<5

**3. Hazards Identification**

**EMERGENCY OVERVIEW**

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**IMMEDIATE HEALTH EFFECTS**

**Eye** Not expected to cause prolonged or significant eye irritation.  
**Skin** Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. Contact with the skin is not expected to cause an allergic skin response.  
**Ingestion** Not expected to be harmful if swallowed.  
**Inhalation** Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

**4. First Aid Measures**

**Eye** No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution, remove contact lenses, if worn, and flush eyes with water.  
**Skin** No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.  
**Ingestion** No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.  
**Inhalation** No specific first aid measures are required because this material is not expected to be harmful if inhaled. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.


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**5. Fire Fighting Measures**
**FIRE CLASSIFICATION:**

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

**NFPA RATINGS**

Health: 1      Flammability: 2      Reactivity: 0

**FLAMMABLE PROPERTIES:**

**Flash Point**      Typical 61 - 66°C / 142 - 151°F (ASTM D-93 / PMCC)

**Autoignition**      235 - 315°C / 455 -599°F (ASTM E-659)

**Flammability (Explosive) Limits (% by volume in air)** Lower: NA    Upper: NA

**EXTINGUISHING MEDIA**

Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

**PROTECTION OF FIRE FIGHTERS:****Fire Fighting Instructions**

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

**Combustion Products**

Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

**6. Accidental Release Measures**
**Protective Measures**  
**Spill Management**

Eliminate all sources of ignition in vicinity of spilled material. Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

**Reporting**

Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

**7. Handling and Storage**
**Handling**

Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water. Wear recommended protective equipment. Practice good personal hygiene after handling.

**Storage**

Store in closed containers of proper construction. Store away from sources of ignition and in areas of good ventilation. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.


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**8. Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	TLV = 5 mg/m <sup>3</sup> as oil mist
<b>Ventilation</b>	Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.
<b>Gloves</b>	Use nitrile or neoprene gloves.
<b>Eye Protection</b>	Safety glasses, goggles or face shield are recommended.
<b>Respiratory</b>	Use NIOSH/MSHA approved respirator with organic vapor cartridge and dust/mist cartridge is recommended if exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.
<b>Clothing</b>	Long sleeve shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

**9. Physical and Chemical Properties**

<b>Appearance and Odor</b>	Blue Liquid, Slight Hydrocarbon Odor
<b>pH</b>	NA
<b>Vapor Pressure</b>	Typical 30 -093 Pa @ 0°C / 32°F
<b>Vapor Density (Air = 1)</b>	>1
<b>Boiling Point</b>	Typical 179 – 213.9°C / 354 - 417°F
<b>Solubility</b>	Soluble in hydrocarbons; insoluble in water
<b>Freezing Point</b>	NA
<b>Melting Point</b>	NA
<b>Specific Gravity</b>	0.78 - 0.81
<b>Volatile Organic Compounds (VOC)</b>	ND
<b>Viscosity</b>	< 3 cSt @ 100 °C

**10. Stability and Reactivity Data**

<b>Chemical Stability</b>	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Incompatibility With Other Materials</b>	May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
<b>Hazardous Decomposition Products</b>	None known (None expected)
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.

**11. Toxicological Information**

<b>Eye Irritation</b>	Not expected to cause eye irritation
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<b>Skin Irritation</b>	Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.
<b>Acute Oral Toxicity</b>	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea and abdominal pain.
<b>Carcinogenic</b>	Repeated exposure causes skin tumor promotion in experimental animals.
<b>Genetic Toxicity</b>	This product gave negative results in the following mutagenicity assays: Microbial/Microsome Reverse Mutation Assay.

**ADDITIONAL TOXICOLOGY INFORMATION**

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

<b>12. Ecological Information</b>
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This material is expected to have adverse affects on marine and plant life. Spills may contaminate drinking water. This material is expected to be readily biodegradable.

<b>13. Disposal Considerations</b>
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<b>Disposal</b>	Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Consult federal, state and local regulations regarding disposal methods. Do not contaminate oil with solvents or other chemicals.
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<b>14. Transport Information</b>
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The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

**DOT (Ground)**

Identification Number	UN 1268
Proper Shipping Name	Petroleum Distillates, n.o.s.
Class / Division	Combustible Liquid
Packing Group	III

NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR if in a container of 119 gallon capacity or less.



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**IMDG (Overseas)**

Shipping Name NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER IMDG REGULATIONS

**IATA (Air)**

Shipping Name NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER IATA REGULATIONS

**15. Regulatory Information**

**TSCA** All components of this material are listed on the TSCA inventory or are exempt.

**SARA 311/312 Hazard Categories**

- 1) Delayed (Chronic) Health Effects
- 3) Fire Hazard

**CAL PROP 65** This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. Other Information**

**NFPA RATINGS** Health: 1 Flammability: 2 Reactivity: 0  
**HMIS RATINGS** Health: 1 Flammability: 2 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, \*- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

**The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.**