



# MINERAL SPIRITS SDS

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name on Label: MSP MINERAL SPIRITS

Other Identification: Mineral Spirits/66 1%

Use of the substance/mixture:

Company name : MOORE OIL COMPANY  
4033 WEST CUSTER AVE  
MILWAUKEE, WI 53209 (414) 462-3200

Emergency number: (800) 424-9300 - CHEMTREC

## SECTION 2: Hazards identification

Classification of the substance or mixture: GHS Classification Asp. Tox. 1, Eye Irrit. 2B, Flam. Liq. 3, Skin Irrit. 2, STOT SE 3 NE



Label elements: DANGER

### GHS HAZARD STATEMENTS

Flammable Liquid, category 3 H226 Flammable liquid and vapor.

Aspiration Hazard, category 1 H304 May be fatal if swallowed and enters airways.

Skin Irritation, category 2 H315 Causes skin irritation.

STOT, single exposure, category 3, NE H336 May cause drowsiness or dizziness.

Eye Irritation, category 2B H320 Causes eye irritation

### GHS PRECAUTIONARY STATEMENTS

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician

P302+P352 IF ON SKIN: Wash with plenty of water

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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P312 Call a POISON CENTER/doctor/physician if you feel unwell.  
P321 Specific treatment (see first aid section on this label).  
P331 Do NOT induce vomiting.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P370+P378 In case of fire: Use appropriate method to extinguish.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 3: Composition/information on ingredients

| Chemical Name         | CAS-No.    | Wt. %  | GHS Symbols       | GHS Statements       |
|-----------------------|------------|--------|-------------------|----------------------|
| Aliphatic hydrocarbon | 64742-47-8 | 75-100 | GHS02-GHS07-GHS08 | H226-304-315-320-336 |

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

## SECTION 4: First aid measures



**FIRST AID - EYE CONTACT:** Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally

lifting and lowering upper lids. Get medical attention promptly. Remove contact lenses if worn.

**FIRST AID - SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

**FIRST AID - INHALATION:** Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

**FIRST AID - INGESTION:** Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone. Do not induce vomiting. Do not give liquids. Obtain emergency medical attention.

## SECTION 5: Fire-fighting measures

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back. 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. Also, do not reuse container without commercial cleaning or reconditioning.



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**SPECIAL FIREFIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition. Avoid use of solid water streams. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

## SECTION 6: Accidental release measures

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## SECTION 7: Handling and storage



**HANDLING:** Use only in a well-ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. Take precautionary measures against static discharge. When transferring, follow proper grounding procedures. Use spark-resistant tools. Do not load into compartments adjacent to heated cargo. Use explosion proof equipment. Always open containers slowly to allow any excess pressure to vent. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues.

**STORAGE:** Keep away from heat, sparks, and flame. Containers can build up pressure if exposed to heat (fire). Store containers in a cool, well ventilated place. Keep container closed when not in use. Protect from direct sunlight. Static Discharge, materials can accumulate static charges which can cause an incendiary electrical discharge. Material is a static accumulator which has the potential of forming ignitable vapor-air mixtures in storage tanks.

## SECTION 8: Exposure controls/personal protection

### Ingredients with Occupational Exposure Limits

| Chemical Name         | ACGIH TLV-TWA | ACGIH-TLV STEL | OSHA PEL-TWA | OSHA PEL-CEILING |
|-----------------------|---------------|----------------|--------------|------------------|
| Aliphatic hydrocarbon | 100 ppm       | N.D.           | 500 ppm      | N.D.             |

### Personal Protection

**RESPIRATORY PROTECTION:** Wear a MSHA/NIOSH approved (or equivalent) full-face piece airline respirator in the positive pressure mode with emergency escape provisions.

**SKIN PROTECTION:** Wear impervious gloves to prevent contact with the skin. Wear long sleeves when contact is likely to occur. Wear protective gear as needed - apron, suit, boots.

**EYE PROTECTION:** Wear safety glasses with side shields (or goggles) and a face shield.

**OTHER PROTECTIVE EQUIPMENT:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**HYGIENIC PRACTICES:** Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

## SECTION 9: Physical and chemical properties



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**Appearance:** Clear, transparent liquid  
**Odor:** Typical  
**Density, g/cm<sup>3</sup>:** 0.782  
**Freeze Point, °F:** N.D.  
**Solubility in Water:** Insoluble  
**Boiling Range, °F:** 318 - 386  
**Evaporation Rate:** 0.21 (n-butyl acetate=1)  
**Vapor Density:** 5 (air=1)

**Physical State:** Liquid  
**Odor Threshold:** N.D.  
**pH:** N.D.  
**Viscosity:** N.D.  
**Explosive Limits, vol%:** 0.8 - 6.0  
**Flash Point, °F:** 104  
**Auto-ignition Temp., °F:** N.D.  
**Vapor Pressure:** N.D.

## SECTION 10: Stability and reactivity

**STABILITY:** No Information

**CONDITIONS TO AVOID:** Avoid impact, friction, heat, sparks, flame and source of ignition.

**INCOMPATIBILITY:** Prevent contact with strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed.

**HAZARDOUS POLYMERIZATION:** No Information

## SECTION 11: Toxicological information



### Information on Toxicological Effects

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. May cause central nervous system depression. Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Personnel with pre-existing skin disorders should avoid contact with this product.

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes serious irritation to eyes. May cause tearing, redness and discomfort.

**EFFECTS OF OVEREXPOSURE - INGESTION:** May be fatal if swallowed and enters airway. Irritating to mouth, throat, and stomach. May cause nausea and vomiting. May cause central nervous system depression.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Overexposure may cause nervous system damage. Chronic effects of ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction.

**Primary Route(s) of Entry:** Eye Contact, Ingestion, Inhalation, Skin Contact

### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| CAS-No.    | Name according to EEC | Oral LD50, mg/kg | Dermal LD50, mg/kg | Vapor LC50, mg/L |
|------------|-----------------------|------------------|--------------------|------------------|
| 64742-47-8 | Aliphatic hydrocarbon | >5,000           | >2,000             | >20.0            |

## SECTION 12: Ecological information

Eco-toxicity (aquatic and terrestrial, where available): none available

Persistence and degradability: none available

Bio-accumulative potential: none available

Mobility in soil: none available



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Other adverse effects (such as hazardous to the ozone layer): none available

## SECTION 13: Disposal considerations



**Always dispose of any waste in accordance with all local, state, and federal regulations.**

**DISPOSAL METHOD:** Dispose of waste in accordance with all local, state and federal regulations.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

## SECTION 14: Transport information

**DOT Proper Shipping Name:** Petroleum distillates, n.o.s. (naphtha solvent) - Combustible Liquid

**Packing Group:** III



**DOT Hazard Class:** No Information

**Hazard SubClass:** No Information

**DOT UN/NA Number:** UN1268

**Resp. Guide Page:** 128

## SECTION 15: Regulatory information

**U.S. Federal Regulations:**

**CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**SARA SECTION 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

**TOXIC SUBSTANCES CONTROL ACT:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

**U.S. State Regulations:**

**NEW JERSEY RIGHT-TO-KNOW:**

The following materials are non-hazardous, but are among the top five components in this product.

No NJ Right-To-Know components exist in this product.



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## **PENNSYLVANIA RIGHT-TO-KNOW**

The following non-hazardous ingredients are present in the product are at or greater than 3%.

No PA Right-To-Know components exist in this product.

## **CALIFORNIA PROPOSITION 65 CARCINOGENS**

Warning: The following ingredients present in the product are known to the state of California to cause

Cancer: No Proposition 65 Carcinogens exist in this product.

## **CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS**

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

No Proposition 65 Reproductive Toxins exist in this product.

## **International Regulations: As follows -**

**CANADIAN WHMIS:** This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**WHMIS Class:** No Information

## **SECTION 16: Other information**

**HMIS Ratings: Health: 1 Flammability: 2 Reactivity: 0 Personal Protection: X**

**Volatile Organic Compounds, gr/ltr: 100**

DISCLAIMER: THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT REPORTED HEREIN, IF ANY, IS BASED ON A MATERIAL VOC CALCULATION. NOTE THAT SEVERAL METHODS ARE USED FOR CALCULATING VOC CONTENT AND THAT STANDARDS/ REQUIREMENTS REGARDING VOC CONTENT VARY BY LOCATION/JURISDICTION. ACCORDINGLY, EMCO MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS MATERIAL'S COMPLIANCE WITH VOC STANDARDS/ REQUIREMENTS APPLICABLE IN LOCATIONS/JURISDICTIONS WHERE THIS MATERIAL MAY BE SOLD OR USED.

## **Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H320 Causes eye irritation

H336 May cause drowsiness or dizziness.

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