



### MATERIAL SAFETY DATA SHEET

#### PRODUCT – MACH4 SYNTHETIC BLEND SAE 5W-20, 5W-30, 10W-30

November 10, 2008

#### Section 1 Product & Company Information

MANUFACTURER J.D. STREETT & COMPANY, INC.  
144 WELDON PARKWAY  
MARYLAND HEIGHTS, MO 63043

PHONE NUMBERS General Information (314) 432-6600  
Emergency (Chemtrec) (800) 424-9300

CHEMICAL FAMILY Petroleum Hydrocarbon; Blend Stock  
CHEMICAL NAME Mixture  
PRODUCT CODE LMC0540, LMC0541, LMC0543  
CHEMICAL FORMULA Mixture  
CAS NUMBER Mixture (Refer to Section 2)  
SYNONYMS Motor Oils, Petroleum Lubricating Oils

#### Section 2 Composition / Information on ingredients

Note: See section 8 for occupational exposure limits and section 11 for LC50/LD50 information.

Substance/Preparation : Preparation

<u>Ingredient name</u>	<u>CAS No.</u>	<u>Conc. (% w/w)</u>	<u>EU Classification</u>	<u>WHMIS Regulated?</u>
Mineral Oil	Mixture.	60-100	Not classified.	No.

#### Section 3 Hazards Identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.  
Not classified as hazardous according to the criteria of NOHSC nor classified as dangerous goods according to the ADG Code.

Primary Hazards and Critical Effects : NOTICE!

Environmental Hazards : Not classified as dangerous for the environment according to EC criteria.

Hazardous Material Information System (U.S.A.)

Health	0
Fire Hazard	1
Reactivity	0

#### Section 4 First-Aid Measures

**Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

**Ingestion** : If affected person is fully conscious, give one glass of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

**Skin Contact** : Wash with soap and water. Get medical attention if irritation develops.

**Eye Contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

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## Section 5 Fire Fighting Measures

- Extinguishing Media : In case of fire, use water spray (fog), foam, dry chemical, or CO2.
- Fire-Fighting Procedures : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Flash point : Open cup 202°C (395F) (Cleveland)

## Section 6 Accidental Release Measures

- Personal Precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).
- Environmental Precautions and Clean-up Methods : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways.

Note: See section 1 for emergency contact information and section 13 for waste disposal.

## Section 7 Handling & Storage

- Handling : Wash thoroughly after handling.
- Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

## Section 8 Exposure Controls and Personal Protection

- Engineering Controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
- Personal Protective Equipment
  - Respiratory System : Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
  - Skin and Body : Disposable outer garments when there is the potential for contact with the material.
  - Hands : Use chemical resistant, impervious gloves.
  - Eyes : Safety glasses with side shields. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.

### Occupational Exposure Limits

<u>Ingredient Name</u>	<u>OEL United States</u>	<u>OEL Canada</u>	<u>OEL Europe</u>	<u>OEL Australia</u>
1) Mineral Oil	ACGIH (United States). TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> OSHA (United States). TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	EH40 (UK) (Europe, 2002). TWA: 5 mg/m <sup>3</sup> 8 hour/hours.	NOHSC (Australia, 2003). TWA: 5 mg/m <sup>3</sup> 8 hour/hours.

## Section 9 Physical and Chemical Properties

- Physical State and Appearance : Liquid
- Density : Not determined
- Solubility : Insoluble in cold water
- Auto-Ignition Temperature : Not determined
- Flash Point : Open cup 202°C (395F) (Cleveland)
- Viscosity : 8.32 - 10.80 cSt @ 100°C  
45.0 – 70.5 cSt @ 40°C

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## Section 10 Stability and Reactivity

- Stability** : The product is stable.
- Materials to avoid** : Strong oxidizing and reducing agents.
- Conditions to avoid** : High temperatures, sparks, and open flames.

## Section 11 Toxicological Information

- Routes of Entry** : Skin, Eyes, Ingestion, and Inhalation.
- Target Organs** : None known.
- Acute Effects**
  - Inhalation** :  
Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation.
  - Ingestion** : Not determined.
  - Skin Contact** :  
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.
  - Eye Contact** : Non-irritating to the eyes.
- Chronic Effects**
  - Adverse Effects** : Not determined.

### Toxicity Data

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Not determined.				

- Other information** : Not available.

## Section 12 Ecological Information

- Environmental Hazards** : Not classified as dangerous for the environment according to EC criteria. Based on calculation.
- Environmental Fate** : This product contains components which may be persistent in the environment.

## Section 13 Disposal Considerations

- Waste Handling and Disposal** : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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**Section 14 Transportation Information**

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
DOT Classification	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	-		-
ADR/RID Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-
ADG Class	Not regulated.	-	-	-		-

**Notice to Reader**

The above transport information is provided to assist in the proper classification of this product and may not be suitable for all shipping conditions.

**Section 15 Regulatory Information**

**US Regulations**

- SARA 313 toxic chemical notification and release reporting** : No SARA 313 chemicals are present above the reporting threshold.
- SARA 311/312 Hazardous Categorization** : SARA 311/312 Nuisance Mist/Dust Only
- RQ (Reportable quantity)** : CERCLA: Hazardous substances.: STYRENE: 1000 lbs. (453.6 kg);

**Canadian Regulations**

- WHMIS (Classification)** : Not a WHMIS controlled material.

**EU Regulations**

- Risk Phrases** : This product is not classified according to EU legislation.
- Safety Phrases** : Not applicable.

**International Inventory Status**

- United States** : All components on TSCA Inventory
- Canada** : All components on DSL
- Europe** : One or more components not found on EINECS, but on ELINCS
- Japan** : All components on METI
- Australia** : All components on NICNAS
- Korea** : All components on ECL
- China** : All components on IECSC
- Philippines** : All components on PICCS

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### Section 16 Other Information

Avoid prolonged skin contact with used motor oil. Prolonged contact with used motor oil has been shown to cause cancer in laboratory animals.

After draining oil, wash skin thoroughly with soap and water. Clean oil-soaked clothing before reuse.

#### Additional Notes:

This product is **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.**

#### PREPARATION INFORMATION

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✔ Indicates information that has changed from previously issued version.

#### Notice to Reader

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