



MSDS# MF-CJ-4/SN15W40

Page 1

**MATERIAL SAFETY DATA SHEET****CJ-4/SN 15w40**

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (z400.1).

**1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY**

<b>PRODUCT NAME</b>	CJ-4/SN 15W40	<b>PRODUCT CODE:</b>	MF-CJ-4/SN15W40
<b>CHEMICAL NAME</b>	MIXTURE	<b>CHEMICAL FAMILY</b>	MIXED HYDROCARBONS
<b>CAS NUMBER</b>	NOT APPLICABLE TO MIXTURES		
<b>SYNONYMS</b>	NONE		
<b>COMPANY IDENTIFICATION</b>	MARTIN MIDSTREAM MEGA LUBRICANTS 15155 JACINTO PORT BLVD. HOUSTON, TEXAS 77015		
<b>EMERGENCY TELEPHONE</b>	MARTIN MIDSTREAM MEGA LUBRICANTS: (281) 860-4300		
<b>MSDS INFORMATION</b>	MSDS # MF-CJ-4/SN15W40, REVISION 0 EFFECTIVE DATE 12/06/13, REVIEWED 01/08/14 ISSUED BY – MARTIN MIDSTREAM MEGA LUBRICANTS		

**2. HAZARDS IDENTIFICATION****POTENTIAL HEALTH EFFECTS****Effects of Overexposure****Acute****Eye Contact**

Avoid eye contact. This product may be slightly irritating to the eyes upon direct contact. Based on testing of similar products and/or components, exposure to high concentrations of vapors may be irritating to the eyes.

**Skin Contact**

Avoid skin contact. This product may cause slight skin irritation upon direct contact. Based on testing of similar products and/or components. Prolonged or repeated contact may result in contact dermatitis, which is characterized by dryness, chapping, and reddening. This condition may make the skin more susceptible to other irritants, sensitizers, and disease. Pre-existing skin conditions may make the skin more susceptible and facilitate uptake by this route. May be absorbed through skin.

**Inhalation**

Avoid prolonged inhalation of vapors. This product may be considered a low health hazard unless inhaled in very high concentrations. Acute and chronic exposure to vapors may be irritating to the respiratory tract. Severe intoxication may lead to drowsiness, dullness, numbness, and headache followed by dizziness, weakness, and nausea. Exposure to even higher concentrations may lead to loss of consciousness and convulsions followed by death at extremely high concentrations where oxygen displacement is a factor, asphyxiation may occur. See Health Data Section below.

**Ingestion**

Do not ingest. Ingestion of small quantities is usually nonfatal unless aspiration occurs. **Do not induce vomiting due to aspiration hazard unless directed to do so by a physician.** Aspiration may lead to chemical pneumonitis, which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs if lung involvement include increased respiratory rate, increased heart rate, and a blush discoloration of the skin. Coughing choking and gagging are often noted at the time of aspiration. Gastrointestinal discomfort may develop, followed by vomiting with a further risk of aspiration. Severe oral intoxication will lead to intense burning of the throat and may result in drowsiness, weakness, and nausea. Loss of consciousness and convulsions followed by death may result.

**Health Data**

**Chronic**

No information available

**HAZARD IDENTIFICATIONS\***

	HMIS Code	NFPA Code
Health	1	1
Flammable	0	0
Reactivity	0	0

Key: 4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal

\*HMIS and NFPA ratings involve data and interpretations that may vary from company to company. They are intended only for rapid general identification of the magnitude of the specific hazard. To deal adequately with safe handling of this material, all the information contained in this MSDS must be considered.

**3. COMPOSITION / INFORMATION ON THE COMPONENTS**

**Notes**

TLV - Threshold Limit Value  
STEL - Short-term Exposure Limit  
RQ - Reportable Quantity  
C - Ceiling Limit

TWA - Time Weighted Average  
TPQ - Threshold Planning Quantity  
PEL - Permissible Exposure Limit  
CAS - Chemical Abstract Service Number

Components	Percentage by Weight	CAS No.	ACGIH (TLV-TWA)	OSHA (PEL-TWA)
Proprietary additive	8 - 11%	mixture	5mg/m3	5mg/m3 mist
Hydrotreated Light Distillate	65 - 68%	64742-47-8	5mg/m3	5mg/m3 mist

#### 4. FIRST AID MEASURES

##### GENERAL FIRST AID

###### Eye Contact

Flush eyes with large amounts of water and continue flushing until irritation subsides. **If irritation persists, seek immediate medical attention.**

###### Skin Contact

Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. Use a hand or skin lotion to prevent dryness. If redness or irritation occurs, seek medical attention.

###### Inhalation

If victim exhibits signs of vapor intoxication remove to fresh air. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if available. **If victim is unconscious, remove to fresh air and seek immediate medical attention.**

###### Ingestion

Do not induce vomiting due to aspiration hazard. If vomiting occurs lower head below knees to avoid aspiration. **Seek immediate medical attention.**

#### 5. FIRE-FIGHTING MEASURES

##### Extinguishing Media

CO<sub>2</sub>, dry chemical, AFFF. Carbon dioxide will displace air in confined spaces and may cause an oxygen deficient atmosphere.

##### Special Fire-Fighting Procedures

Water may be ineffective but can be used to cool containers exposed to heat or flame. Use fog nozzle if water is used.

##### Unusual Fire and Explosion Hazards

Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

#### 6. ACCIDENTAL RELEASE MEASURES

**This material is a water pollutant. Keep out of drains, sewers, ditches and waterways.**

##### Personal precautions

Use personal protection recommended in Section 8 below. Isolate spill area and deny entry to unnecessary or unprotected personnel.

##### Spills or Leaks

Eliminate source of leak or spill. Confine area to clean up personnel. Ventilate confined area. Use explosion proof equipment. Minimize breathing vapors and skin contact. Absorb and/or confine liquid with



sand, earth or other suitable material. Keep product out of sewer or watercourses. Advise authorities if product has entered or may enter waterways.

**Spill Waste Disposal**

Place in sealable containers. Reclaim or dispose of in accordance with local, state and federal regulations.

**7. HANDLING AND STORAGE****Handling**

Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or fumes. Wash thoroughly after handling.

Wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse. READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. DO NOT USE OR STORE near flame, sparks, or hot surfaces. USE ONLY IN WELL VENTILATED AREA. DO NOT weld, heat, or drill container. Tightly replace cap or bung. Emptied container may still contain hazardous or explosive vapor or liquid residuals. CAUTION! Do not use pressure to empty drum or explosion may result.

**Storage**

Must be stored in a sealable container. Store in cool well ventilated area. Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, 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.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****EXPOSURE CONTROLS****Exposure Limits**

OSHA Permissible Exposure Limit (PEL):	5mg/m <sup>3</sup> mist over an 8 hour daily exposure
ACGIH Threshold Limit Value (TLV):	5mg/m <sup>3</sup> mist over an 8 hour daily exposure

**PERSONAL PROTECTION****Eyes**

Wear safety glasses with side shields when working with this material as good safety practice. If this material is heated, wear chemical goggles or safety glasses and a face shield.

**Skin**

Wear protective clothing to minimize skin contact as a good industrial hygiene practice. Selection of protective clothing will depend on operations conducted. Consider physical requirements and other substances when selecting protective clothing. If this material is used at elevated temperatures, avoid contact with skin by wearing protective clothing, gloves and boots.

#### Respiratory

No special respiratory protection is normally required. When vapors or fumes from heated materials are not adequately controlled, wear a NIOSH/MSHA approved respirator. Use the following elements for air-purifying respirators: Organic Vapor.

#### Engineering Controls/ Ventilation

Use in a well-ventilated area. If heated material generates vapor, or fumes, use process enclosures, local exhaust ventilation, or other engineering controls to control exposure to control exposure. Ventilation requirements must be locally determined.

#### Other Protective Equipment

Wear other protective equipment as required to minimize skin contact.

## 9 PHYSICAL and CHEMICAL PROPERTIES

#### Appearance

Light amber

#### Odor

Mild petroleum

#### Solubility in Water

Insoluble in water

#### Specific Gravity

0.879

#### Boiling Point

N/A

#### Melt Point

N/A

#### Flash Point and Method

220C PMCC

#### Auto-ignition Temperature

280C (Based on component data)

#### Flammable Limits in Air (% volume)

LEL 0.90 (Based on component data)

UEL 7.0 (Based on component data)

#### Evaporation Rate (n-butyl Acetate = 1)

0.15 (Based on component data)

#### Vapor Pressure

< 0.013 MM HG @ 68°F  
(Based on component data)

#### Vapor Density (air = 1)

>2.0 @ 101kPa  
(Based on component data)

## 10. STABILITY AND REACTIVITY

#### Stability

Stable

**Conditions to Avoid**

Strong oxidants, a heat source or open flame

**Materials to Avoid**

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

**Hazardous Decomposition**

Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

**Hazardous Polymerization**

Polymerization will not occur.

**11. TOXICOLOGY INFORMATION**

**Acute exposure**

**Eye Effects:** May cause mild short-lasting discomfort to eyes. Wash thoroughly with water. (Based on data from components)

**Skin Effects:** Prolong or repeated skin contact may lead to skin irritation or dermatitis. (Based on data from components)

**Respiratory Effects:** Negligible hazard at normal handling temperature (Based on data from components)

**Dermal Toxicity:** Minimally toxic. Toxicity (rabbits) >LD<sub>50</sub> > 5000 mg/m<sup>3</sup>

**Inhalation Toxicity** Minimally toxic. Toxicity (rabbits) >LC<sub>50</sub> > 5000 mg/m<sup>3</sup>

**Oral Toxicity** Minimally toxic. Toxicity (rabbits) >LD<sub>50</sub> > 5000 mg/m<sup>3</sup>

**Dermal Sensitization** Not sensitizing in test animals

**Inhalation Sensitization** Not sensitizing in test animals

**Chronic exposure**

**Chronic Toxicity** No data available to indicate product presents a chronic health hazard

**Carcinogenicity** This product is not considered to be carcinogenic under IARC or OSHA standards

**Mutagenicity** No data available to indicate product presents a chronic health hazard

**Reproduction Toxicity** No data available to indicate product presents a reproductive hazard

**Teratogenicity** No data available to indicate product presents a hazard



**Additional Information**

**Conditions aggravated:** People with severe skin problems should avoid contact.  
(Based on data from components)

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL TOXICITY**

- Freshwater Fish Toxicity** Not determined.
- Freshwater Invertebrates Toxicity** Not determined.
- Algal Inhibition** Not determined.
- Saltwater Fish Toxicity** Not determined.
- Saltwater Invertebrates Toxicity** Not determined.
- Bacteria Toxicity** Not determined.
- Miscellaneous Toxicity** Not determined.

**ENVIRONMENTAL FATE**

- Soil Mobility** This product is a mobile liquid
- Persistence and degradability** This product is not biodegradable
- Bioaccumulate** This product does not accumulate or biomagnify in the environment.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal**

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material. Dispose of in accordance to RCRA, Federal, State, and local regulations.

This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

**14. TRANSPORTATION**

**US DEPARTMENT OF TRANSPORTATION**

This description may not apply to all shipping situations.

DOT: Not regulated  
Hazard Class: III



**INTERNATIONAL INFORMATION**

Sea (IMO)  
Air (IATA)

Not regulated for sea transportation  
Not regulated for air transportation

**15. REGULATORY INFORMATION**

**CERCLA**

**SARA EXTREME HAZARDOUS SUBSTANCE:**

This product does not contain any chemical substance known to be on the SARA Extreme Hazardous list.

**SARA 313: This product contains no material known to be regulated under SARA Title III, Sect. 313**

**SARA 311 CLASSIFICATIONS:**

- 1. Immediate (Acute) Health Effects: 0
- 2. Delayed (Chronic) Health Effects: 0
- 3. Fire Hazard: 0
- 4. Sudden Release of Pressure hazard: 0
- 5. Reactivity Hazard: 0

**TSCA INVENTORY STATUS:**

This product, or its components, are listed on, or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

**RCRA**

This material is not a hazardous waste under RCRA Regulation 40 CFR 261.

**16. OTHER INFORMATION**





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APPLICATION: DIESEL ENGINE OIL

**GENERAL DISCLAIMER**

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**ADDITIONAL INFORMATION DISCLAIMER**

The information presented in this MSDS may not be complete or comprehensive. For all questions concerning information either present in or absent from this MSDS, or if you require further information on the product or one of its components, please contact MARTIN MIDSTREAM MEGA LUBRICANTS' main office at (281) 860-4300.