Safety Data Sheet

Issuing Date February 2, 2012 **Revision date** July 16 2013 **Revision Number** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Sierra NMMA FC-W 10W-30 Motor Oil

Product Code(s) 18-9420-2, 18-9420-2R, 18-9420-3, 18-9420-3R, 18-9420-7

Recommended Use Engine oil, Lubricant.

Company
Sierra International
1 Sierra Place
Litchfield, IL 62056

Manufactured for: SeaStar Solutions

Company Emergency Phone Number (618) 542-5431

Emergency telephone number Chemtrec 1-800-424-9300

2. Hazards Identification

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration are considered to be hazardous to health

appearance Amber colored liquid **Physical state** viscous liquid **Odor** Mild petroleum odor

Potential health effects

Principle Routes of Exposure Skin contact, ingestion, inhalation or injection.

Acute toxicity

EYES Can be irritating to eyes. If contact occurs, flush with water for 30 minutes. Get medical attention if eye irritation persists.

skin Avoid excessive contact with skin. Always wash skin and soiled clothing with soap and water after exposure.

inhalation Remove exposed person to fresh air if adverse effects are observed.

INGESTION Do not induce vomiting. Get medical attention.

Chronic effects

Environmental hazard Always use proper personal protective equipment for petroleum based products if a spill occurs.

Quarantine affected area, prevent spill from entry into sewers and waterways. Pick up free and residual liquid for proper disposal and/or recycling.

Always follow proper local, state, and federal guidelines for clean up and disposal for motor oil and other petroleum products.

3. Composition/information on Ingredients

Common Name Hydrocarbon Lubricating Fluid.
Chemical Family Petroleum hydrocarbon mixture.

Chemical name	CAS-No	Weight %
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	80.73
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	20.218

4. First aid measures

General advice No hazards which require special first aid measures.

Eye contact Flush eyes for 30 minutes with water. Get medical attention if irritation persists.

Skin contact Wash off immediately with soap and plenty of water.

inhalation Move exposed persons to fresh air. Consult medical personal if breathing issues occur.

INGESTION Do NOT induce vomiting. Consult a physician.

5. Fire-fighting measures

Flammable properties Material is not considered to be flammable or combustible due to the material's flash point being above 200 degrees F.

Method Cleveland open cup (COC)

Suitable extinguishing media Carbon dioxide (CO_2). Dry chemical. Foam. Water can be used to keep surrounding materials cool.

Large Fires Contact emergency personnel

Explosion data
NFPA **Health hazard** - **flammability** - **stability** - **Physical and Chemical Hazards** -

6. Accidental release measures

Personal precautions Avoid contact with the skin and the eyes. Eye protection or face shield should be used if material is used under conditions that increase the chances of splattering. Wash skin with soap and water if contact occurs. Launder soiled clothing. If spilled, take caution, as material can cause surfaces to become very slippery.

Methods for containment Cover with earth, sand, or other non-combustible material followed with plastic sheets to minimize spreading or contact with rain.

Methods for cleaning up Excess liquid material can be collected using a scoop or shovel and stored for recycling or disposal. Prevent material from entering drains or waterways.

7. Handling and Storage

Handling Avoid contact with skin, eyes and clothing. Eye protection or face shield should be used if material is used under conditions that increase the chances of splattering. If contact is made, wash skin with soap and water. Launder soiled clothing. Maximum handling temperature is 70 degrees C (158 F). It is recommended to pump or transfer material at ambient temperature.

Storage Keep away from heat and sources of ignition. Keep containers closed when not in use. Follow first aid measures if contact occurs, and spill procedures if spill occurs. For packaged material: Store in a cool dry area. For bulk material: store in cool dry area. Always follow local, state, and federal guidlines for storage of material for amount stored.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Eye/face Protection If splashes are likely to occur, wear:. Goggles. Eye/face Protection.

Skin and body protection Long sleeved clothing. Protective gloves can be worn, if material comes in contact with skin wash with soap and water.

Hygiene Measures Remove and wash contaminated clothing before re-use.

9. Physical and Chemical Properties

appearance	Amber colored liquid	**Odor**	Mild petroleum odor
Physical state	viscous liquid		
Method	Cleveland open cup (COC)	**Autoignition temperature**	No information available
Boiling Point/Range	No information available		
		Flammability Limits in Air	No information available
Explosion Limits	No information available		
Specific gravity	0.86-0.88	**solubility**	No information available
evaporation rate	No information available	**vapor pressure**	No information available
vapor density	No information available	**viscosity**	Viscosity at 40C (ASTM D-445), cSt: 74.45 Viscosity at 100C (ASTM D-445), cSt: 11.88

10. Stability and Reactivity

stability Stable under normal conditions.

11. Toxicological Information

Acute toxicity

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated heavy paraffinic	2000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h
Petroleum distillates, solvent dewaxed heavy paraffinic	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h

Chronic toxicity

Chemical name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated heavy paraffinic		Group 1		X
Petroleum distillates, solvent dewaxed heavy paraffinic		Group 1		X

12. Ecological Information

ecotoxicity

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Petroleum distillates, hydrotreated heavy paraffinic		LC50> 5000 mg/L Pimephales promelas 96 h		EC50 > 1000 mg/L 48 h
Petroleum distillates, solvent dewaxed heavy paraffinic		LC50> 5000 mg/L Pimephales promelas 96 h		EC50 > 1000 mg/L 48 h

13. Disposal Considerations

14. Transport Information

DOT Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. Regulatory information

International Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

CERCLA

U.S. State Regulations

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Diphenylamine	X	X	X		X
Toluene	X	X	X	X	X

International Regulations

Mexico - Grade No information available

CANADA

WHMIS Hazard Class
Not Determined

16. Other information

NFPA	HMIS	PPE	Transport Symbol
(Bad file name)	(Bad file name)		

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Revision note
No information available

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