

Version 6.1	Revision Date: 03/29/2023		DS Number: 00000001450	Date of last issue: 02/20/2019 Date of first issue: 07/13/2018
SECTIO	N 1. IDENTIFICATION			
Pro	duct name	:	MM FIJ SUPER (	CONC CLNR 12/12 OZ
Pro	duct code	:	M5212	
	nufacturer or supplier's npany name of supplier			LC
Add	ress	:	Dallas TX 75225	
Ema	ail Address	:	EHS@niteoprodu	icts.com
Tele	ephone	:	1-844-696-4836	
Eme ber	ergency telephone num-	:	1-800-424-9300 /	1-703-741-5970
Rec	ommended use of the c	hen	nical and restriction	ons on use
Rec	commended use	:	OCTANE TREAT	MENT
Res	trictions on use	:	Use only outdoors	s or in a well-ventilated area.

### SECTION 2. HAZARDS IDENTIFICATION

### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	:	Category 3
Acute toxicity (Inhalation)	:	Category 4
Skin irritation	:	Category 2
Carcinogenicity	:	Category 2
Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)
Specific target organ toxicity - repeated exposure	:	Category 2 (Liver, thymus, Bone marrow)
Aspiration hazard	:	Category 1

### GHS label elements



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Haza	rd pictograms		
Signa	I word	: Danger	
Haza	rd statements	May be fatal i Causes skin i Harmful if inh May cause dr Suspected of May cause da	
Preca	autionary statements	· Prevention:	
		Do not handle understood. Keep away fr smoking. Keep contain Ground/bond Use explosion Use only non Take precaut Do not breath Wash skin the Use only oute	al instructions before use. e until all safety precautions have been read and om heat/ sparks/ open flames/ hot surfaces. No er tightly closed. container and receiving equipment. n-proof electrical/ ventilating/ lighting equipment. -sparking tools. ionary measures against static discharge. he dust/ fume/ gas/ mist/ vapours/ spray. proughly after handling. loors or in a well-ventilated area. ve gloves/ protective clothing/ eye protection/ face
		IF ON SKIN ( clothing. Rins IF INHALED: for breathing. well. IF exposed of Do NOT indu- If skin irritatio Take off conta	n occurs: Get medical advice/ attention. aminated clothing and wash before reuse. : Use dry sand, dry chemical or alcohol-resistant
			II-ventilated place. Keep container tightly closed. II-ventilated place. Keep cool.
		Disposal:	ontents/ container to an approved waste disposal



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Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous components

CAS-No.	Concentration (% w/w)
68476-34-6	>= 90 - < 100
8008-20-6	>= 30 - < 50
928771-01-1	>= 1 - < 5
91-20-3	>= 1 - < 5
100-41-4	>= 0.1 - < 1
	68476-34-6 8008-20-6 928771-01-1 91-20-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

### **SECTION 4. FIRST AID MEASURES**

General advice	:	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.
If inhaled	:	Move to fresh air. IF INHALED: Call a POISON CENTER/ doctor if you feel un- well. If unconscious, place in recovery position and seek medical advice. Keep patient warm and at rest. If symptoms persist, call a physician.
In case of skin contact	:	If on clothes, remove clothes. Remove contaminated clothing. If irritation develops, get med- ical attention. If on skin, rinse well with water. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.
In case of eye contact	:	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
If swallowed	:	Obtain medical attention. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms	:	May be fatal if swallowed and enters airways.



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and effects, both acute and delayed				Causes skin irritation. Harmful if inhaled. May cause drowsiness or dizziness. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.				
SEC	CTION 5	. FIREFIGHTING MEA	SU	RES				
	Suitabl	e extinguishing media	:	Water spray Carbon dioxide (C	:02)			
	Unsuita media	able extinguishing	:	High volume wate	r jet			
	Specific fighting	c hazards during fire-	:	sufficient to support and may travel and lights, other flame point of release.	d above its flash point it will produce vapors ort combustion. Vapors are heavier than air ong the ground and be ignited by heat, pilot s and ignition sources at locations near the off from fire fighting to enter drains or water			
	Hazard ucts	lous combustion prod-	:	Carbon oxides				
	Specifi ods	c extinguishing meth-	:	Product is compar	tible with standard fire-fighting agents.			
	Further	<sup>·</sup> information	:	: Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.				
	Specia for firef	l protective equipment ighters	:	In the event of fire	e, wear self-contained breathing apparatus.			

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer- gency procedures	Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Avoid breathing dust. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Environmental precautions :	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.



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		ls and materials for ment and cleaning up	:	sorbent material, miculite) and plac / national regulation	and then collect with non-combustible ab- (e.g. sand, earth, diatomaceous earth, ver- e in container for disposal according to local ons (see section 13). closed containers for disposal.
SEC	TION 7	. HANDLING AND ST	OR/	AGE	
		on protection against explosion	:	equipment before tions may be nece conductive contai during product tra tion Association d Keep away from c ignition.	and ground all containers, personnel and transfer or use of material. Special precau- essary to dissipate static electricity for non- ners. Use proper bonding and grounding nsfer as described in National Fire Protec- ocument NFPA 77. open flames, hot surfaces and sources of naked flame or any incandescent material.
,	Advice	on safe handling	:	Do not breathe va Do not smoke. Avoid contact with Dispose of rinse v regulations. Container hazarde Smoking, eating a plication area.	air exchange and/or exhaust in work rooms. pours/dust. n skin and eyes. vater in accordance with local and national
	Conditi	ons for safe storage	:	place.	
	Further age sta	information on stor- bility	:	No decomposition	if stored and applied as directed.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

				-
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Diesel fuel no. 2	68476-34-6	TWA (Inhal- able fraction and vapor)	100 mg/m3 (total hydrocar- bons)	ACGIH
Kerosene	8008-20-6	TWA	100 mg/m3	NIOSH REL
		TWA	500 ppm 2,000 mg/m3	OSHA Z-1

### Components with workplace control parameters



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			TWA	200 mg/m3 (total hydrocarbon vapor)	ACGIH
			TWA	400 ppm 1,600 mg/m3	OSHA P0
Naph	thalene	91-20-3	TWA	10 ppm	ACGIH
			TWA	10 ppm 50 mg/m3	NIOSH REL
			ST	15 ppm 75 mg/m3	NIOSH REL
			TWA	10 ppm 50 mg/m3	OSHA Z-1
			TWA	10 ppm 50 mg/m3	OSHA P0
			STEL	15 ppm 75 mg/m3	OSHA P0
Ethylt	benzene	100-41-4	TWA	20 ppm	ACGIH
			TWA	100 ppm 435 mg/m3	NIOSH REL
			ST	125 ppm 545 mg/m3	NIOSH REL
			TWA	100 ppm 435 mg/m3	OSHA Z-1
			TWA	100 ppm 435 mg/m3	OSHA P0
			STEL	125 ppm 545 mg/m3	OSHA P0

### Hazardous components without workplace control parameters

Components	CAS-No.
Alkanes, C10-C20 branched	928771-01-1
and linear	

#### **Biological occupational exposure limits**

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra- tion	Basis
Ethylbenzene	100-41-4	Sum of mandelic acid and phenyl gly- oxylic acid	Urine	End of shift (As soon as possible after exposure ceases)	0.15 g/g creatinine	ACGIH BEI

Engineering measures

Provide sufficient mechanical (general and/or local exhaust) : ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

### Personal protective equipment

Respiratory protection

In the case of vapour formation use a respirator with an ap-: proved filter.



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Har	nd protection					
Remarks		er). cus	: Wear resistant gloves (consult your safety equipment suppli- er). The suitability for a specific workplace should be dis- cussed with the producers of the protective gloves. Discard gloves that show tears, pinholes, or signs of wear.			
Eye protection		proc	Not required under normal conditions of use. Wear splash- proof safety goggles if material could be misted or splashed into eyes.			
Ski	n and body protection	cen Wea Imp				
Нус	giene measures	prac Whe	ctice. en using do no	ance with good industrial hygiene and safety ot smoke. ot eat or drink.		

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	red
Odour	:	hydrocarbon-like
Odour Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	154 - 366 °C
Flash point	:	58 °C Method: closed cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Self-ignition	:	No data available
Upper explosion limit / Upper flammability limit	:	4.7 %(V)
Lower explosion limit / Lower flammability limit	:	0.6 %(V)
Vapour pressure	:	0.4 hPa (40 °C)



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	Relative vapour density	: No data available	
	Density	: 0.8014 g/cm3	
	Solubility(ies) Water solubility	: insoluble	
	Partition coefficient: n- octanol/water	: No data available	
	Decomposition temperature	: No data available	
	Viscosity Viscosity, kinematic	: No data available	
	Molecular weight	: No data available	

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reac- tions	:	No decomposition if stored and applied as directed. Vapours may form explosive mixture with air.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong oxidizing agents Strong acids Strong bases
Hazardous decomposition products	:	Carbon oxides

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes Inhalation Eye contact Skin contact Ingestion	of	exposure
Acute toxicity Harmful if inhaled.		
Product:		
Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: 3.69 mg/l Exposure time: 4 h Test atmosphere: dust/mist



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		Method: Calculation method
<u>Com</u>	ponents:	
Diese	el fuel no. 2:	
	e oral toxicity	: LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401
Acute	inhalation toxicity	<ul> <li>LC50 (Rat, male and female): 4.1 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403</li> </ul>
Acute	e dermal toxicity	<ul> <li>LD50 (Rabbit): &gt; 4,300 mg/kg Assessment: No adverse effect has been observed in acute dermal toxicity tests.</li> </ul>
Kero	sene:	
Acute	e oral toxicity	: LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 420
Acute	e inhalation toxicity	<ul> <li>LC50 (Rat): &gt; 5.8 mg/l Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403 Assessment: No adverse effect has been observed in acute inhalation toxicity tests.</li> </ul>
Acute	e dermal toxicity	<ul> <li>LD50 (Rabbit): &gt; 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: No adverse effect has been observed in acute dermal toxicity tests.</li> </ul>
Alkar	nes, C10-C20 branch	ned and linear:
Acute	inhalation toxicity	: Assessment: The component/mixture is moderately toxic af short term inhalation.
Naph	thalene:	
Acute	e oral toxicity	: LD50 (Mouse, male): 533 mg/kg Method: OECD Test Guideline 401
Acute	inhalation toxicity	<ul> <li>LC50 (Rat): &gt; 0.4 mg/l Exposure time: 4 h Test atmosphere: vapour Assessment: No adverse effect has been observed in acute inhalation toxicity tests.</li> </ul>
Acute	e dermal toxicity	<ul> <li>LD50 (Rat, male and female): &gt; 2,500 mg/kg Assessment: No adverse effect has been observed in acute dermal toxicity tests.</li> </ul>

### Ethylbenzene:



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Acute	oral toxicity	: LD50 (Rat): ca.	3,500 mg/kg
Acute	inhalation toxicity	: LC50 (Rat): 400 Exposure time: Test atmosphere	4 h
Acute	e dermal toxicity	: LD50 (Rabbit):	17,800 mg/kg
-	corrosion/irritation es skin irritation.		
Prod	uct:		
Rema	arks: May cause skin i	rritation and/or dermati	tis.
<u>Com</u>	oonents:		
Diese	el fuel no. 2:		
Metho	es: Rabbit od: OECD Test Guide lt: Irritating to skin.	line 404	
Kero	sene:		
Resu	It: Irritating to skin.		
Naph	thalene:		
Resu	It: Possibly irritating to	skin	
Ethyl	benzene:		
Resu	It: Irritating to skin.		
Serio	us eye damage/eye	irritation	
Not c	lassified based on ava	ailable information.	
Prod			
Rema	arks: Vapours may car	use irritation to the eyes	s, respiratory system and the skin.
<u>Com</u>	oonents:		
Diese	el fuel no. 2:		
	es: Rabbit		
Resu	It: Possibly irritating to	eyes	

Result: Possibly irritating to eyes Method: OECD Test Guideline 405

### Kerosene:

Result: Possibly irritating to eyes

### Naphthalene:

Result: Possibly irritating to eyes



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### Ethylbenzene:

Result: Irritating to eyes.

#### Respiratory or skin sensitisation

### Skin sensitisation

Not classified based on available information.

### **Respiratory sensitisation**

Not classified based on available information.

### Components:

### Diesel fuel no. 2:

Species: Guinea pig Assessment: Did not cause sensitisation on laboratory animals. Method: OECD Test Guideline 406

### Germ cell mutagenicity

Not classified based on available information.

### **Components:**

### Diesel fuel no 2.

Diesel fuel no. 2:		
Genotoxicity in vitro	:	Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: Mutagenicity (Salmonella typhimurium - reverse mu- tation assay) Result: positive
Genotoxicity in vivo	:	Test Type: In vivo micronucleus test Species: Mouse Result: negative
<b>Carcinogenicity</b> Suspected of causing cancer.		
Components:		
<b>Diesel fuel no. 2:</b> Carcinogenicity - Assess- ment	:	Limited evidence of carcinogenicity in animal studies
Naphthalene: Carcinogenicity - Assess- ment	:	Limited evidence of carcinogenicity in inhalation studies with animals.
<b>Ethylbenzene:</b> Carcinogenicity - Assess- ment	:	Not classifiable as a human carcinogen.



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IARC		Group 2B: Possibly	carcinogenic to humans
		Naphthalene	91-20-3
		Ethylbenzene	100-41-4
OSHA	<b>N</b>		is product present at levels greater than or OSHA's list of regulated carcinogens.
NTP		Reasonably anticipa	ated to be a human carcinogen
		Naphthalene	91-20-3

### Reproductive toxicity

Not classified based on available information.

### STOT - single exposure

May cause drowsiness or dizziness.

### **Components:**

### Kerosene:

Assessment: May cause drowsiness or dizziness.

#### STOT - repeated exposure

May cause damage to organs (Liver, thymus, Bone marrow) through prolonged or repeated exposure.

#### Components:

#### Diesel fuel no. 2:

Target Organs: Liver Assessment: May cause damage to organs through prolonged or repeated exposure.

Target Organs: thymus Assessment: May cause damage to organs through prolonged or repeated exposure.

Target Organs: Bone marrow Assessment: May cause damage to organs through prolonged or repeated exposure.

#### Ethylbenzene:

Target Organs: Auditory system Assessment: May cause damage to organs through prolonged or repeated exposure.

### Aspiration toxicity

May be fatal if swallowed and enters airways.

### Components:

### Diesel fuel no. 2:

May be fatal if swallowed and enters airways.



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### Kerosene:

May be fatal if swallowed and enters airways.

### Alkanes, C10-C20 branched and linear:

May be fatal if swallowed and enters airways.

### Ethylbenzene:

May be fatal if swallowed and enters airways.

### Further information

#### Product:

Remarks: No data available

### SECTION 12. ECOLOGICAL INFORMATION

#### Toxicity

Additional ecological : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

### **SECTION 13. DISPOSAL CONSIDERATIONS**

<b>Disposal methods</b> Waste from residues	:	Dispose of in accordance with all applicable local, state and federal regulations.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

#### **SECTION 14. TRANSPORT INFORMATION**

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

### International Regulations

IATA-DGR		
UN/ID No.	:	UN 1268
Proper shipping name	:	Petroleum distillates, n.o.s.
Class	:	3
Packing group	:	111
Labels	:	3
Packing instruction (cargo aircraft)	:	366



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	ing instruction senger aircraft)	:	355	
UN n Prope Class Pack Labe EmS	ing group	:	UN 1268 PETROLEUM DIS 3 III 3 F-E, S-E no	STILLATES, N.O.S.
	sport in bulk accordin applicable for product a			OL 73/78 and the IBC Code
Natio	onal Regulations			
	<b>FR</b> D/NA number er shipping name	:	UN 1268 Petroleum distillat	tes, n.o.s.
Labe	ing group	:	3 III 3 128	

### **SECTION 15. REGULATORY INFORMATION**

### EPCRA - Emergency Planning and Community Right-to-Know Act

: no

### CERCLA Reportable Quantity

Marine pollutant

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
	1330-20-7	100	100 (F003)
Xylene			· · · /
Ethylbenzene	100-41-4	100	100 (F003)
Benzene	71-43-2	10	10 (D018)
Naphthalene	91-20-3	100	3932

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Carcinogenicity Specific target organ toxicity (single or repeated exposure) Aspiration hazard Acute toxicity (any route of exposure)
SARA 313	:	The following components are subject to reporting levels es- tablished by SARA Title III, Section 313:

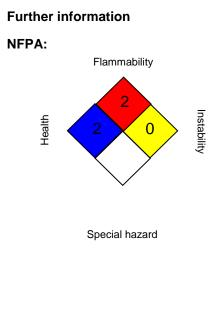


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		Naphthalene	91-20-3	>= 1 - < 5 %
		Ethylbenzene	100-41-4	>= 0.1 - < 1 %

### California Prop. 65

WARNING: This product can expose you to chemicals including Naphthalene, Ethylbenzene, Benzene, which is/are known to the State of California to cause cancer, and Benzene, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

### **SECTION 16. OTHER INFORMATION**



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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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