

**SAFETY DATA SHEET****DOMINATOR® Octane Boost**Date : 10/01/2016  
Version : 9**Section 1. Identification**

<b>GHS product identifier</b>	: DOMINATOR® Octane Boost
<b>Code</b>	: AOB/COB
<b>Product type</b>	: Liquid.
<b>Identified uses</b>	: Gasoline additive.
<b>Manufacturer</b>	: AMSOIL INC. One AMSOIL Center Superior, WI 54880 Tel: +1 715-392-7101
<b>Initial Supplier (Canada)</b>	: AMSOIL INC. Bordner, Ladner, Gervais Scotia Plaza, 40 King St W Toronto, ON, Canada M5H 3Y4 Tel: +1 416-367-6547
<b>Emergency telephone number (with hours of operation)</b>	: CHEMTREC: Within USA and Canada: 1-800-424-9300; Outside USA and Canada: +1 703-741-5970 (collect calls accepted) (24/7)

**Section 2. Hazards identification**

<b>OSHA/HCS status</b>	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Classification of the substance or mixture</b>	: FLAMMABLE LIQUIDS - Category 4 ACUTE TOXICITY (inhalation) - Category 2 CARCINOGENICITY - Category 2 AQUATIC HAZARD (ACUTE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 2

**GHS label elements****Hazard pictograms****Signal word**

: Danger

**Hazard statements**: Combustible liquid.  
Fatal if inhaled.  
Suspected of causing cancer.  
Toxic to aquatic life with long lasting effects.**Precautionary statements**

- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wear respiratory protection. Keep away from flames and hot surfaces. - No smoking. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Do not breathe vapor.
- Response** : Collect spillage. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician.
- Storage** : Store locked up. Store in a well-ventilated place. Keep cool.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

#### Hazards not otherwise classified (HNOC)

- Physical hazards not otherwise classified (PHNOC)** : None known.
- Health hazards not otherwise classified (HHNOC)** : None known.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

#### CAS number/other identifiers

- CAS number** : Not applicable.
- Product code** : AOB/COB

Ingredient name	%	CAS number
Fuels, diesel, No 2	80 - 100	68476-34-6
Tricarbonyl(methylcyclopentadienyl)manganese	1 - 5	12108-13-3
Naphthalene	0.1 - 1	91-20-3

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

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

#### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Fatal if inhaled.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

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## Section 5. Fire-fighting measures

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### Extinguishing media

**Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water jet or water-based fire extinguishers.

**Specific hazards arising from the chemical** : Combustible liquid. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides

**Special protective actions for fire-fighters** : Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

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### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### Methods and materials for containment and cleaning up

- Spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Avoid contact with used product. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

### Occupational exposure limits

Under conditions which may generate mists, the following exposure limits are recommended:  
ACGIH TLV TWA: 5 mg/m<sup>3</sup> ; STEL: 10 mg/m<sup>3</sup>.

### United States

Ingredient name	Exposure limits
<p>Fuels, diesel, No 2</p> <p>Tricarbonyl(methylcyclopentadienyl)manganese</p> <p>Naphthalene</p>	<p><b>ACGIH TLV (United States, 3/2015). Absorbed through skin.</b> TWA: 100 mg/m<sup>3</sup>, (measured as total hydrocarbons) 8 hours. Form: Inhalable fraction and vapor</p> <p><b>ACGIH TLV (United States, 3/2015). Absorbed through skin.</b> TWA: 0.2 mg/m<sup>3</sup>, (as Mn) 8 hours.</p> <p><b>NIOSH REL (United States, 10/2013). Absorbed through skin.</b> TWA: 0.2 mg/m<sup>3</sup>, (as Mn) 10 hours.</p> <p><b>OSHA PEL (United States, 2/2013).</b> CEIL: 5 mg/m<sup>3</sup>, (as Mn)</p> <p><b>ACGIH TLV (United States, 3/2015). Absorbed through skin.</b> TWA: 10 ppm 8 hours. TWA: 52 mg/m<sup>3</sup> 8 hours.</p> <p><b>NIOSH REL (United States, 10/2013).</b> TWA: 10 ppm 10 hours. TWA: 50 mg/m<sup>3</sup> 10 hours. STEL: 15 ppm 15 minutes. STEL: 75 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL (United States, 2/2013).</b> TWA: 10 ppm 8 hours. TWA: 50 mg/m<sup>3</sup> 8 hours.</p>

**Canada**

**Occupational exposure limits**

Ingredient name	Exposure limits
<p>Fuels, diesel, No 2</p> <p>Tricarbonyl(methylcyclopentadienyl)manganese</p> <p>Naphthalene</p>	<p><b>CA British Columbia Provincial (Canada, 5/2015). Absorbed through skin.</b> TWA: 100 mg/m<sup>3</sup>, (as total hydrocarbons) 8 hours. Form: Inhalable vapor and aerosol</p> <p><b>CA Alberta Provincial (Canada, 4/2009).</b> 8 hrs OEL: 100 mg/m<sup>3</sup>, (as total hydrocarbons) 8 hours.</p> <p><b>CA Ontario Provincial (Canada, 7/2015). Absorbed through skin.</b> TWA: 100 mg/m<sup>3</sup>, (measured as total hydrocarbons) 8 hours. Form: Total hydrocarbons</p> <p><b>CA Saskatchewan Provincial (Canada). Absorbed through skin.</b> STEL: 150 mg/m<sup>3</sup> 15 minutes. Form: Vapor TWA: 100 mg/m<sup>3</sup> 8 hours. Form: Vapor</p> <p><b>CA Alberta Provincial (Canada, 4/2009). Absorbed through skin.</b> 8 hrs OEL: 0.2 mg/m<sup>3</sup>, (as Mn) 8 hours.</p> <p><b>CA British Columbia Provincial (Canada, 5/2015). Absorbed through skin.</b> TWA: 0.2 mg/m<sup>3</sup>, (as Mn) 8 hours.</p> <p><b>CA Ontario Provincial (Canada, 7/2015). Absorbed through skin.</b> TWA: 0.2 mg/m<sup>3</sup>, (as Mn) 8 hours.</p> <p><b>CA Quebec Provincial (Canada, 1/2014). Absorbed through skin.</b> TWA: 0.2 mg/m<sup>3</sup>, (as Mn) 8 hours.</p> <p><b>CA Saskatchewan Provincial (Canada). Absorbed through skin.</b> STEL: 0.6 mg/m<sup>3</sup>, (measured as Mn) 15 minutes. TWA: 0.2 mg/m<sup>3</sup>, (measured as Mn) 8 hours.</p> <p><b>CA Alberta Provincial (Canada, 4/2009). Absorbed through skin.</b> 15 min OEL: 15 ppm 15 minutes. 8 hrs OEL: 10 ppm 8 hours. 8 hrs OEL: 52 mg/m<sup>3</sup> 8 hours. 15 min OEL: 79 mg/m<sup>3</sup> 15 minutes.</p> <p><b>CA British Columbia Provincial (Canada, 5/2015). Absorbed through skin.</b> TWA: 10 ppm 8 hours. STEL: 15 ppm 15 minutes.</p> <p><b>CA Ontario Provincial (Canada, 7/2015).</b> TWA: 10 ppm 8 hours. TWA: 52 mg/m<sup>3</sup> 8 hours. STEL: 15 ppm 15 minutes. STEL: 79 mg/m<sup>3</sup> 15 minutes.</p>

**CA Quebec Provincial (Canada, 1/2014).**TWA<sub>EV</sub>: 10 ppm 8 hours.TWA<sub>EV</sub>: 52 mg/m<sup>3</sup> 8 hours.

STEV: 15 ppm 15 minutes.

STEV: 79 mg/m<sup>3</sup> 15 minutes.**CA Saskatchewan Provincial (Canada). Absorbed through skin.**

STEL: 15 ppm 15 minutes.

TWA: 10 ppm 8 hours.

- Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
- Individual protection measures**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid. [Clear.]
- Color** : Red.
- Odor** : Petroleum.
- Odor threshold** : Not available.

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<b>pH</b>	: Not available.
<b>Melting point</b>	: Not available.
<b>Boiling point</b>	: Not available.
<b>Flash point</b>	: Closed cup: >60.6°C (>141.1°F) [Pensky-Martens.]
<b>Evaporation rate</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Lower and upper explosive (flammable) limits</b>	: Not available.
<b>Vapor pressure</b>	: Not available.
<b>Vapor density</b>	: Not available.
<b>Relative density</b>	: 0.817 to 0.903
<b>Solubility</b>	: Insoluble in water.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Viscosity</b>	: Kinematic: 0.0236 cm <sup>2</sup> /s (2.36 cSt) (40°C)
<b>Volatility</b>	: Not available.

## Section 10. Stability and reactivity

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<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
<b>Incompatible materials</b>	: Reactive or incompatible with the following materials: oxidizing materials.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

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### Information on toxicological effects

#### Acute toxicity



Product/ingredient name	Result	Species	Dose	Exposure
Tricarbonyl(methylcyclopentadienyl) manganese	LC50 Inhalation Dusts and mists	Rat	247 mg/m <sup>3</sup>	1 hours
	LC50 Inhalation Dusts and mists	Rat	76 mg/m <sup>3</sup>	4 hours
Naphthalene	LD50 Dermal	Rabbit	140 mg/kg	-
	LD50 Dermal	Rat	665 mg/kg	-
	LD50 Oral	Rat	8 mg/kg	-
	LD50 Dermal	Rabbit	>20 g/kg	-
	LD50 Oral	Rat	490 mg/kg	-

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Tricarbonyl(methylcyclopentadienyl) manganese	Skin - Mild irritant	Rabbit	-	24 hours 100 mg	-
Naphthalene	Skin - Mild irritant	Rabbit	-	495 mg	-

**Sensitization**

There is no data available.

**Carcinogenicity**

**Classification**

Product/ingredient name	OSHA	IARC	NTP
Naphthalene	-	2B	Reasonably anticipated to be a human carcinogen.

**Specific target organ toxicity (single exposure)**

There is no data available.

**Specific target organ toxicity (repeated exposure)**

There is no data available.

**Aspiration hazard**

There is no data available.

**Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : Fatal if inhaled.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

**Long term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

**Potential chronic health effects**

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**

Route	ATE value
Oral	4651.9 mg/kg
Dermal	6512.7 mg/kg
Inhalation (dusts and mists)	0.2326 mg/L

## Section 12. Ecological information

**Toxicity**

Product/ingredient name	Result	Species	Exposure
Naphthalene	Acute EC50 1600 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 2350 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 213 µg/l Fresh water	Fish - Melanotaenia fluviatilis - Larvae	96 hours

**Persistence and degradability**

There is no data available.

**Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Fuels, diesel, No 2	>3.3	-	low
Tricarbonyl(methylcyclopentadienyl) manganese	3.4	-	low
Naphthalene	3.4	36.5 to 168	low

**Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : There is no data available.

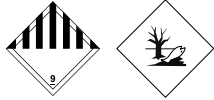
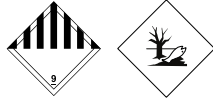
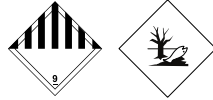
**Mobility** : There is no data available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT	TDG	IMDG	IATA
<b>UN number</b>	NA1993	UN3082	UN3082	UN3082
<b>UN proper shipping name</b>	COMBUSTIBLE LIQUID, N.O.S. (Fuels, diesel, No 2) RQ (Naphthalene)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tricarbonyl (methylcyclopentadienyl) manganese)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tricarbonyl (methylcyclopentadienyl) manganese). Marine pollutant (Tricarbonyl (methylcyclopentadienyl) manganese)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tricarbonyl (methylcyclopentadienyl) manganese)
<b>Transport hazard class(es)</b>	Combustible liquid.	9 	9 	9 
<b>Packing group</b>	III	III	III	III
<b>Environmental hazards</b>	No.	Yes.	Yes.	Yes.
<b>Additional information</b>	Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials in package sizes less than the product reportable quantity.  <b>Reportable quantity</b> 14285.7 lbs / 6485.7 kg [1992.	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.43-2.45 (Class 9), 2.7 (Marine pollutant mark).  Non-bulk packages of this product are not regulated as dangerous goods when	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.  <b>Emergency schedules (EmS)</b> F-A, S-F	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.  <b>Remarks</b> Limited quantity

	3 gal / 7541.5 L] Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.  <b>Remarks</b> Limited quantity	transported by road or rail.  <b>Remarks</b> Limited quantity	<b>Remarks</b> Limited quantity	
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**AERG** : 153

**DOT-RQ Details** : Naphthalene 100 lbs / 45.4 kg

**Special precautions for user** : **Transport within user’s premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **United States inventory (TSCA 8b):** All components are listed or exempted.  
**Clean Water Act (CWA) 307:** Naphthalene  
**Clean Water Act (CWA) 311:** Naphthalene

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304**

**Composition/information on ingredients**

Name	EHS	SARA 302 TPQ		SARA 304 RQ	
		(lbs)	(gallons)	(lbs)	(gallons)
Tricarbonyl(methylcyclopentadienyl)manganese	Yes.	100	8.7	100	8.7

**SARA 304 RQ** : 4545.5 lbs / 2063.6 kg [633.9 gal / 2399.6 L]

**SARA 311/312**

**Classification** : Fire hazard  
 Immediate (acute) health hazard  
 Delayed (chronic) health hazard

**Composition/information on ingredients**

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Fuels, diesel, No 2	Yes.	No.	No.	No.	Yes.
Tricarbonyl(methylcyclopentadienyl)manganese	No.	No.	No.	Yes.	No.
Naphthalene	Yes.	No.	No.	Yes.	Yes.

**SARA 313**

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	Tricarbonyl(methylcyclopentadienyl)manganese Naphthalene	12108-13-3 91-20-3	1 - 5 0.1 - 1
<b>Supplier notification</b>	Tricarbonyl(methylcyclopentadienyl)manganese Naphthalene	12108-13-3 91-20-3	1 - 5 0.1 - 1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**State regulations**

- Massachusetts** : The following components are listed: Tricarbonyl(methylcyclopentadienyl)manganese
- New York** : The following components are listed: Tricarbonyl(methylcyclopentadienyl)manganese; Naphthalene
- New Jersey** : The following components are listed: Tricarbonyl(methylcyclopentadienyl)manganese; Naphthalene
- Pennsylvania** : The following components are listed: Tricarbonyl(methylcyclopentadienyl)manganese; Naphthalene

**California Prop. 65**

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Naphthalene	Yes.	No.	Yes.	No.

**Canada**

**Canadian lists**

- Canadian NPRI** : The following components are listed: Tricarbonyl(methylcyclopentadienyl)manganese
- CEPA Toxic substances** : The following components are listed: Naphthalene
- Canada inventory** : All components are listed or exempted.

## Section 16. Other information

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### History

**Date of issue mm/dd/yyyy** : 10/01/2016  
**Date of previous issue** : 07/01/2015  
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**Prepared by** : AMSOIL INC.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.