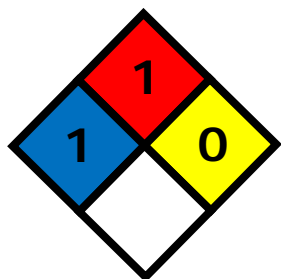


**Material Safety Data Sheet**

**NFPA**



**HMIS**

Health Hazard	1
Fire Hazard	1
Reactivity	0

Issuing Date 12- August-2010

Revision Date 12- August-2010

Revision Number 1

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** STIHL BAR AND CHAIN LUBRICANT  
 PART NUMBER; 0781-516-5001(32oz); 0781-516-5008 (1 gal); 0781-516-5006 (5 gal); 0781-516-5007 (55 gal).

**MSDS Number** BC0001

**Recommended Use**

**Manufactured by:** Omni Specialty Packaging  
 10399 S. Hwy 1  
 Shreveport, LA 71105  
 Phone: 1 (318) 524-1100

**Emergency Telephone Number** CHEMTREC  
 1 (800) 424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**Appearance** Straw Viscous Liquid      **Physical State** Liquid      **Odor** Petroleum odor

**Potential Health Effects**

**Principal Routes of Exposure** Eye contact, Skin contact, Inhalation, Ingestion

**Acute Toxicity**

**Eyes** Irritating, but will not permanently injure eye tissue.

**Skin** Substance minimally irritating upon direct contact. May cause irritation.

**Inhalation** Will not produce vapors unless heated to temperatures of ~300 °F. Inhalation of oil mist or fumes can cause irritation of the nose, throat and upper respiratory tract

**Ingestion** Do not ingest. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Other**

On rare occasions, prolonged and repeated exposure to oil mist poses a risk of pulmonary disease such as chronic lung inflammation. This condition is usually asymptomatic as a result of repeated small aspirations.

**Chronic Effects**

Prolonged exposure may cause chronic effects.

**Aggravated Medical Conditions** Personnel with pre-existing skin disorders should avoid contact with this product.

**Environmental Hazard** See Section 12 for additional Ecological Information.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Formula** Mixture

Chemical Name	CAS-No	Weight %
Naphthenic Petroleum Oil	64742-53-6	93-99
Petroleum Product Additive	mixture	1-7

**4. FIRST AID MEASURES**

**Eye Contact** Flush with large amount of water for 15 minutes. Get medical attention if eye irritation develops or persists. If material is hot, treat for thermal burns and take victim to the hospital immediately.

**Skin Contact** Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention immediately if skin discoloration occurs.

**Inhalation** If headache, nausea, irritation, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or symptoms persist.

**Ingestion** If more than several mouthfuls have been swallowed, give two glasses of water (16 Oz.). Get immediate medical attention or advice.

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Flammable Properties** Not flammable.

**Flash Point** 420°F

**Suitable Extinguishing Media** Water Fog. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Unsuitable Extinguishing Media** Not Available

**Hazardous Combustion Products** Not Available

**Explosion Data**

**Sensitivity to Mechanical Impact** Not sensitive.

**Sensitivity to Static Discharge** Not sensitive.

**Protective Equipment and Precautions for Firefighters** Wear positive pressure self-contained breathing apparatus (SCUBA). Use water to cool containers exposed to flames. Structural firefighters' protective clothing will only provide limited protection. Mist or sprays may be flammable below the product normal flash point.

**NFPA** Health Hazard 1 Flammability 1 Stability 0 Physical and Chemical Hazards -

**6. ACCIDENTAL RELEASE MEASURES**

- Personal Precautions**            Use personal protective equipment. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation. If spilled, take caution, as material can cause surfaces to become very slippery.
- Methods for Containment**        Dike far ahead of liquid spill for later disposal.
- Methods for Cleaning Up**        Pick up free liquid for recycle and/or disposal. Residual liquid and/or solid can be absorbed on inert material.
- Evacuation Procedures**  
     **Large Spill**                    Consider initial downwind evacuate for at least 300 meters (1000 feet).  
     **Fire**                             If tank, rail car or tank car is involved in a fire, isolate for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions.
- Reporting Requirements**        Spills that enter a water body must be reported immediately to the USEPA's National Response Center at (800)546-2972. Check with your local and state regulators regarding their reporting requirements.

**7. HANDLING AND STORAGE**

- Handling**                            Do not pressure, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode. See NFPA 30 and OSHA 1910.106 – flammable and combustible liquids.
- Storage**                             Store away from heat, sparks, open flame, or strong oxidizing agents in closed and properly labeled containers. Empty containers retain product residue (liquid, and/or vapor) and can be dangerous

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Naphthenic Petroleum Oil 64742-53-6	5 mg/m <sup>3</sup> 8 hour(s). Form: Mist	5 mg/m <sup>3</sup> 8 hour(s). Form: Mist	2,500 mg/m <sup>3</sup>

- Engineering Measures**            Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended limits.
- Personal Protective Equipment**  
     **Eye/Face Protection**        Safety glasses or face shield where splashing is possible. Full face-shield to be worn during emergencies.  
     **Skin and Body Protection**    As needed to prevent repeated skin contact. Solvent resistant gloves should be used if needed.  
     **Respiratory Protection**      Not normally needed. During emergencies wear respirator.
- Hygiene Measures**                Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Straw Viscous Liquid	<b>Odor</b>	Mild Petroleum Oder
<b>Physical State</b>	Liquid	<b>pH</b>	N/A
<b>Flash Point</b>	420°F	<b>Autoignition Temperature</b>	>315.6 °C / > 600°F
<b>Boiling Point/Range</b>	404°C	<b>Freezing Point</b>	<-34°C / <-29.2°F
<b>Explosion Limits</b>	N/A	<b>Flammability Limits in Air</b>	N/A
<b>Specific Gravity</b>	0.91	<b>Solubility</b>	Negligible
<b>Evaporation Rate</b>	N/A	<b>Vapor Pressure</b>	N/A

**STIHL BAR AND CHAIN LUBRICANT**

Packaged for Stihl Incorporated, 536 Viking Drive, Virginia Beach, VA 23452

Revision Date: 12- August-2010

Vapor Density

1+

Density

N/A

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible Products</b>	Open Flame and strong oxidizing agents.
<b>Conditions to Avoid</b>	Heat, flames, and sparks.
<b>Hazardous Decomposition Products</b>	Decomposition and combustion products may include smoke, carbon dioxide, carbon monoxide, and toxic fumes.
<b>Hazardous Polymerization</b>	None under normal processing.

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

<b>Product Information</b>	Test on similar materials show a low order of acute oral and dermal toxicity.
<b>Acute Oral Effects</b>	Test on similar materials indicates low order of acute toxicity.
<b>Acute Inhalation Effects</b>	Low acute toxicity expected on inhalation.
<b>Skin Effects</b>	Practically non-toxic if absorbed. Other similar highly refined products have not shown skin tumors in mouse skin painting studies.
<b>Eye Irritation</b>	Minimal irritation on contact. Eye irritation slightly or practically non-irritating base on similar products.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Naphthenic Petroleum Oil 64742-53-6	Rat >5000 mg/kg	Rabbit >5000 mg/kg	Rat > 2.18 mg/L 4 hours

**Chronic Toxicity**

<b>Chronic Toxicity</b>	Prolonged exposure may cause chronic effects.
<b>Carcinogenicity</b>	Not considered a potential carcinogen base on IP346 DMSO of less than 3.0 wt%
<b>Target Organ Effects</b>	Respiratory system, Eyes, Skin,
<b>Genotoxicity</b>	This product is considered non-mutagenic and has negative potential for tumor development based on from Modified Ames Assay, with Mutagenic Index of less than 1.0.

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming.
--------------------	---

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Naphthenic				

**STIHL BAR AND CHAIN LUBRICANT**

Packaged for Stihl Incorporated, 536 Viking Drive, Virginia Beach, VA 23452

Revision Date: 12- August-2010

Petroleum Oil 64742-53-6				
-----------------------------	--	--	--	--

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method** Dispose of in accordance with local regulations. Keep this product out of sewers and waterways.

**Contaminated Packaging** Dispose of in accordance with local regulations.

Chemical Name	RCRA – Halogenated Organic Compounds	RCRA – P Series Wastes	RCRA – F Series Wastes	RCRA – K Series Wastes
Naphthenic Petroleum Oil 64742-53-6	Does not meet hazardous waste criteria	Does not meet hazardous waste criteria	Does not meet hazardous waste criteria	Does not meet hazardous waste criteria

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

**15. REGULATORY INFORMATION****International Inventories**

	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Naphthenic Petroleum Oil 64742-53-6	Present	X	265-156-6	x	X	x	X	X

**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**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

If spilled into navigable waters it is reportable to National Response Center, 800-424-8802. Reportable Quantity = Oil Sheen present on navigable water surface. (40 CFR 116; 401.15)

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**CERCLA****U.S. State Regulations****California Proposition 65**

**STIHL BAR AND CHAIN LUBRICANT**

Packaged for Stihl Incorporated, 536 Viking Drive, Virginia Beach, VA 23452

Revision Date: 12- August-2010

This product does not contain any Proposition 65 chemicals.

**Florida**

No listed ingredients are present

**Massachusetts RTK**

No listed ingredients are present

**Minnesota RTK**

No listed ingredients are present

**New Jersey RTK**

Lists petroleum oil, but this product does not contain hazardous ingredients.

**Pennsylvania RTK**

Lists petroleum oil, but this product does not contain hazardous ingredients greater than 3%.

**Illinois DOL TSL**

No listed ingredients are present

**International Regulations**

**Mexico – Grade**

No information available.

**Canada**

Not listed on the Canadian Controlled Product Ingredient Disclosure and is compliant with Controlled Products Regulation

**CONEG Metals**

Since cadmium, chromium, lead and mercury are not detectable and it does not exceed 100 ppm total in this product, it is compliant with CONEG Metals regulation.

**EEC (Europe)**

This product is not known to be a dangerous good internationally.

R-Phrases

R45: May Cause Cancer

S-Phrases

S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53 : Avoid exposure - obtain special instructions before use.

Hazard Label

None

Danger Symbol

T : Toxic

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.**

**WHMIS Hazard Class**

D2B Toxic materials

**16. OTHER INFORMATION**

**Prepared By**

Safety Department

**Issuing Date**

12- August-2010

**Revision Date**

12- August-2010

**Revision Note**

Not applicable

**Disclaimer**

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of MSDS