

# Material Safety Data Sheet

## Omni Specialty Packaging

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998  
 Packaged for Stihl Incorporated, 536 Viking Drive, Virginia Beach, VA 23452

### 1. Product and Company Identification

Product Name STIHL BAR & CHAIN LUBRICANT WINTERGRADE PART NUMBER; 0781-516-4001 (1 gal); 0781-516-4006 (1 gal).	MSDS Code Number
Trade Name & Synonyms	Date of Last Revision 01/02/2009
Chemical Name	Manufacturer Omni Specialty Packaging
C.A.S. Number	Address 10399 Hwy. 1 Shreveport La. 71115
Grades or Minor Variant Identities	Information Telephone Number (318) 524-1100
	Foreign Emergency Telephone Number
Product Use (for Canada)	Emergency Telephone Number (318) 524-1100

### 2. Composition/Information on Ingredients

Hazardous Components	C.A.S Number	Exposure Limits Oil Mist	%
Severely Hydrotreated Heavy Naphthenic Petroleum Oil	64742-52-5	5MG/M3	20-30
Hydrotreated Distillates, Heavy Paraffinic	64742-54-7	5MG/M3	70-80
Petroleum Product Additive	Mixture	5MG/M3	0 - 5
OSHA Regulatory Status 29 CFR 1910.1200.			

### 3. Hazards Identification

#### Emergency Overview

This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposures	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	Eye contact may result in slight irritation and redness.				
Skin	Minimally irritating upon direct contact.	May cause irritation/dermatitis.			
Inhalation	Low hazard at standard temperatures and pressures. Inhalation of oil mist or fumes can cause irritation of the nose, throat and upper respiratory tract				
Ingestion	Do not ingest. May cause nausea, vomiting/diarrhea.				
Other	No known.				

Medical Conditions Aggravated by Exposure

Personnel with pre-existing skin disorders should avoid contact with this product.

4. First Aid Measures			
Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed
Eye	Flush with large amount of water for 15 minutes. Get medical attention if eye irritation develops or persists.		
Skin	Wash with soap and water. Remove contaminated clothes and wash before reuse. Get medical attention if skin discolor develops.		
Inhalation	This material is not expected to present an inhalation exposure at ambient conditions		
Ingestion	Do not induce vomiting. Get immediate medical attention or advice.		
Other	Not available		
Note to Physicians (Treatment, Testing, and Monitoring) Not available			

5. Fire Fighting Measures																
Flashpoint Method:	°F	Flammable (Explosive) Limits in Air LEL	UEL	Autoignition Temperature	°F	<table border="1"> <thead> <tr> <th colspan="2">Hazard Rating</th> </tr> </thead> <tbody> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Fire</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>PPE</td> <td>B</td> </tr> </tbody> </table>	Hazard Rating		Health	1	Fire	1	Reactivity	0	PPE	B
Hazard Rating																
Health	1															
Fire	1															
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PPE	B															
COC	330	Not determined	Not determined	(> 315°C)	600											
Flame Propagation or Burning Rate (for solids)	Not Available	Properties Contributing to Fire Intensity	Not Determined	Flammability Classification	Not Available	Reactions to Extinguishing Media										
Extinguishing Media	Water fog, foam, CO <sub>2</sub> , dry chemical	Extinguishing Media to Avoid	Not Available			Not Available										
Protection and Procedures 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.																
Unusual Fire and Explosion Hazards																
Mist or sprays may be flammable below the product normal flash point.																

6. Accidental Release Measures
Spill/Leak Clean-up Procedures and Equipment
Observing health hazards described above, ventilate area. Dike to contain spill. Pick up free liquid for recycle and/or disposal. Residual liquid and/or solid can be absorbed on inert material. Keep from sewers and natural water.
Evacuation Procedures
Large spill <ul style="list-style-type: none"> <li>Consider initial downwind evacuate for at least 300 meters (1000 feet).</li> </ul> Fire <ul style="list-style-type: none"> <li>* 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.</li> </ul>
Special Instructions
When using this material, do not eat, drink, or smoke. Wash thoroughly after handling. Keep away from animals and children.
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 Practices and Warnings
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 Practices and Warnings
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 Control/Personal Protection		
Other Engineering controls	Ventilation	
N/A	Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended limits.	
Routes of Entry:	Personal Protective Equipment (PPE) for Normal Use:	PPE for Emergencies
Eye/Face	Safety glasses or face shield where splashing is possible.	Full face shield
Skin	As needed to prevent repeated skin contact. Solvent resistant gloves should be used if needed.	
Inhalation	Not normally needed.	Respirator

9. Physical and Chemical Properties		
Appearance <b>Straw viscous liquid</b>	Odor Petroleum odor	
Normal Physical State:	Boiling Point	N/A ° F
<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Gas	Melting Point
		N/A ° F
<input type="checkbox"/> Solid	<input type="checkbox"/> (Other)	Freezing Point
		<-41 ° C
Specific Gravity or Density (H <sub>2</sub> O = 1) .88	Solubility in Water Negligible	pH N/A
Vapor Pressure (mm Hg.) N/A	Vapor Density (AIR = 1) N/A	Evaporation Rate (Butyl Acetate = 1) N/A
Other N/A		

10. Stability and Reactivity		
Incompatibility (Materials to Avoid) strong oxidizing agents.		
Hazardous Products Produced During Decomposition Carbon monoxide, carbon dioxide, and oxides of boron and phosphorus.		
Hazardous Polymerization?	<input type="checkbox"/> May Occur	<input checked="" type="checkbox"/> Will Not Occur
	Conditions to Avoid	
Stability?	<input checked="" type="checkbox"/> Stable	<input type="checkbox"/> Unstable
	Conditions to Avoid	
	Sources of ignition	

11. Toxicological Information
<p>Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data</p> <p><b>Acute Toxicity:</b> Test on similar materials show a low order of acute oral and dermal toxicity.</p> <p><b>Acute Oral Effects:</b> Test on similar materials indicates low order of acute toxicity.</p> <p><b>Acute Inhalation Effects:</b> Low acute toxicity expected on inhalation.</p> <p><b>Skin Effects:</b> Practically non-toxic if absorbed. Other similar highly refined products have not shown skin tumors in mouse skin painting studies.</p> <p><b>Eye Irritation:</b> Minimal irritation on contact. Eye irritation slightly or practically non-irritating base on similar products.</p> <p><b>Carcinogenicity:</b></p> <p><b>Skin:</b> Not considered a potential carcinogen base on IP346 DMSO of less than 3.0 wt%</p> <p><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.</p>

**12. Ecological Information**

Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements

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.

**13. Disposal Considerations**

Regulations

Dispose in accordance with all local, state, and federal regulations. Keep this product out of sewers and waterways.

Note: State or local requirements may differ from federal regulations. Processing or using this product may make the information here inappropriate. Waste generators are responsible for waste classification, transport, and disposal.

**14. Transport Information**

Regulated for shipping? <input type="checkbox"/> Yes                      X                      No	Proper Shipping Name N/A	Packing Group N/A
Do changes in quantity, packaging, or shipment method change product qualification? <input type="checkbox"/> Yes                      x                      No	Hazard Class N/A	Identification Number N/A
Other No Known		

### 15. Regulatory Information

Federal Regulations (OSHA, TSCA, CERCLA, FIFRA, EPCRA, CAA, CWA, SDWA, CPSA, DEA, FDA/USDA, etc.)

State Regulations

**U.S. Federal Regulatory Information:**

CERCLA/SARA

302/303/304 Categories: Extremely Hazardous Substances      No  
(40 CFR 355 Appendix A)

311/312 Categories:      Immediate (Acute) Health Effects      No  
(40 CFR 370)              Delayed (Chronic) Health Effects      No

Fire Hazard      No

Sudden Release of Pressure Hazard      No

Reactivity Hazard      No

313 Categories:      Toxic Chemicals (40 CFR 372)      No

Clean Air Act:      Hazardous Air Pollutants (HAPS)      No

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

OSHA (29 CFR 1910): This product is not hazardous under Hazard Communication Standard 29 CFR 1910.1200

RCRA (40 CFR 261.133) This product does not meet hazardous waste criteria.

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.  
CAS No. 64742-52-5

**State Regulations:**

California Prop 65      No Proposition 65 chemicals exist in this product, no labeling required.

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

**Other Regulations:**

WHMIS (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.

No known R-Phrases or S-Phrases

Hazard Label      None

Danger Symbol      None

**Foreign/International Inventories:** The components of this product are listed under the following foreign inventories: European Union's EINECS No. 265-155-0

Australia's AICS No. 64742-52-5

Canada's DSL No. 64742-52-5

Philippines' PICCS – on List

International Regulations

N/A

Other

Not all ingredients will be present in some finished products.

## 16. Other Information

Label Text, Hazard Rating System, Key Legend, or Other

**Abbreviations**

ACGIH(American Conference of Governmental Industrial Hygienists); ANSI(American National Standards Institute); CAS(Chemical Abstract Service); CERCLA(Comprehensive Environmental Response, Compensation, & Liability Act); CFR(Code of Federal Regulations); CHIP (Chemicals Hazard Information & Packaging for Supply); CONCAWE (European Organization for Environment, Health & Safety); CPR(Controlled Products Regulations); DOL (Department of Labor); EED(European Economic Community Directives); EINECS (European Inventory of Existing Commercial Chemical Substances); EL50 (Effective loading rate required to immobilize 50% invertebrate species); ELINCS(European List of New Chemical Substances); EPA (Environmental Protection Agency); EPCRA(Emergency Planning & Community Right-To-Know Act of 1986); EU(European Union); FDA(Food & Drug Administration-USA); GHS (Global Harmonization System); HCS (Hazard Communication Standard); IARC(International Agency for Research on Cancer); ILO(International Labor Organization); LC50(Lethal Concentration 50% test organisms); LD50(Lethal Dose 50% test organisms); LVP-VOC(Low Vapor Pressure Volatile Organic Compound); MSDS(Material Safety Data Sheet); MSHA(Mine Safety & Health Administration); NIOSH(National Institute of Occupational Safety & Health);NTP(National Toxicology Program); OSHA(Occupational Safety & Health Administration); PEL(Permissible Exposure Limit); Prop 65(California Proposition 65); PMCC(Pensky Martin Closed Cup); RCRA(Resource Conservation & Recovery Act); RTK(Right-To-Know); R-Phrases(EU Risk Phrases; S-Phrases (EU Safety Phrases); SARA(Superfund Amendments & Reauthorization Act); TSCA (Toxic Substances Control Act); TSL (Toxic Substance List); TLV(Threshold Limit Value); WHMIS(Workplace Hazardous Materials Information System-Canada); Irl50 (Inhibitory loading rate required to reduce algal growth rate by 50%); Ibl50 (Inhibitory loading rate required to reduce area under growth curve or biomass by 50%); ppm (parts per million); mg/m3 (milligrams per cubic meter); N(no); Y (yes)

<b>NFPA Hazard Rating – Health</b>	<b>1 Slight</b>
<b>-Fire</b>	<b>1 Slight</b>
<b>Reactivity</b>	<b>0 Least</b>

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This MSDS complies with OSHA Hazard Communication Standard (HCS) 29 CFR 1910.1200 and conforms to ANSI Z 400.1 16-Section Format.

Disclaimer: Omni Specialty Packaging believes this information is accurate but not all-inclusive in all circumstances. It is the responsibility of the user to determine suitability of the material for their purposes. No warranty, expressed or implied, is given.

NOTE: OSHA's Hazard Communication Standard (29 CFR 1910.1200) does not require the information requested in Sections 11, 12, 13, 4, 15, and 16 for MSDSs. If your company chooses not to fill in these sections, you may wish to enter something (like N/R for "not regulated" or N/A for "not applicable") to indicate that the field is purposely being left blank.