



Division of Facilities Services

**DOD Hazardous Material Information (ANSI Format)  
For Cornell University Convenience Only**

**STIHL TWO-CYCLE ENGINE OIL**

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**Section 1 - Product and Company Identification  
STIHL TWO-CYCLE ENGINE OIL**

**Product Identification:** STIHL TWO-CYCLE ENGINE OIL  
**Date of MSDS:** 05/04/1988 **Technical Review Date:** 09/14/1994  
**FSC:** 9150 **NIIN:** LIIN: 00F008333  
**Submitter:** FBT  
**Status Code:** C  
**MFN:** 02  
**Article:** N  
**Kit Part:** N

<http://msds.ehs.cornell.edu/msds/msdsdod/a222/m110804.htm>

**Manufacturer's Information**

**Manufacturer's Name:** SPECIALTY (WESTLAND) OIL COMPANY  
**Post Office Box:** 8098  
**Manufacturer's Address1:** 2740 VALLEYVIEW DR  
**Manufacturer's Address2:** SHREVEPORT, LA 71148  
**Manufacturer's Country:** US  
**General Information Telephone:** 318-687-8000  
**Emergency Telephone:** 318-688-1300/318-687-8000  
**Emergency Telephone:** 318-688-1300/318-687-8000  
**MSDS Preparer's Name:** N/P  
**Proprietary:** N  
**Reviewed:** Y  
**Published:** Y  
**CAGE:** 0A6L6  
**Special Project Code:** N

**Preparer Information**

**Preparer's Name:** SPECIALTY (WESTLAND) OIL COMPANY  
**Preparer's Address1:** 2740 VALLEYVIEW DR  
**Preparer's Address2:** SHREVEPORT, LA 71148  
**Preparer's CAGE:** 0A6L6  
**Assigned Individual:** N

**Contractor Information**

**Contractor's Name:** SPECIALTY (WESTLAND) OIL COMPANY  
**Contractor's Address1:** 2740 VALLEYVIEW DR  
**Contractor's Address2:** SHREVEPORT, LA 71148  
**Contractor's Telephone:** 318-687-8000  
**Contractor's CAGE:** 0A6L6

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**Section 2 - Composition/Information on Ingredients**  
**STIHL TWO-CYCLE ENGINE OIL**

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**Ingredient Name:** OIL PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY  
PARAFFINIC  
**Ingredient CAS Number:** 64742-65-0 **Ingredient CAS Code:** M  
**RTECS Number:** PY8038500 **RTECS Code:** M  
**=WT: =WT Code:**  
**=Volume: =Volume Code:**  
**>WT: >WT Code:**  
**>Volume: >Volume Code:**  
**<WT: <WT Code: —**  
**<Volume: <Volume Code:**  
**% Low WT: % Low WT Code:**  
**% High WT: % High WT Code:**  
**% Low Volume: % Low Volume Code:**  
**% High Volume: % High Volume Code:**

% Text: N/K

% Environmental Weight:

Other REC Limits: 5 MG/CUM

OSHA PEL: N/K OSHA PEL Code: M

OSHA STEL: OSHA STEL Code:

ACGIH TLV: N/K ACGIH TLV Code: M

ACGIH STEL: N/P ACGIH STEL Code:

EPA Reporting Quantity:

DOT Reporting Quantity:

Ozone Depleting Chemical: N

**Ingredient Name:** PETROLEUM HYDROCARBONS, SOLVENT DEWAXED RESIDUAL OIL  
(PETROLEUM) \*94-3\*

**Ingredient CAS Number:** 64742-62-7 **Ingredient CAS Code:** M

**RTECS Number:** RTECS Code: X

**=WT: =WT Code:**

**=Volume: =Volume Code:**

**>WT: >WT Code:**

**>Volume: >Volume Code:**

**<WT: <WT Code:**

**<Volume: <Volume Code:**

**% Low WT: % Low WT Code:**

**% High WT: % High WT Code:**

**% Low Volume: % Low Volume Code:**

**% High Volume: % High Volume Code:**

% Text: N/K

% Environmental Weight:

Other REC Limits: N/K

OSHA PEL: N/K OSHA PEL Code: M

OSHA STEL: OSHA STEL Code:

ACGIH TLV: N/K ACGIH TLV Code: M

ACGIH STEL: N/P ACGIH STEL Code:

EPA Reporting Quantity:

DOT Reporting Quantity:

Ozone Depleting Chemical: N

**Ingredient Name:** PROPRIETARY ADDITIVES

**Ingredient CAS Number:** **Ingredient CAS Code:** X

**RTECS Number:** RTECS Code: X

**=WT: =WT Code:**

**=Volume: =Volume Code:**

**>WT: >WT Code:**

**>Volume: >Volume Code:**

**<WT: <WT Code:**

**<Volume: <Volume Code:**

**% Low WT: % Low WT Code:**

**% High WT: % High WT Code:**

**% Low Volume: % Low Volume Code:**

**% High Volume: % High Volume Code:**

% Text: <10

% Environmental Weight:  
Other REC Limits: N/K  
OSHA PEL: N/K OSHA PEL Code: M  
OSHA STEL: OSHA STEL Code:  
ACGIH TLV: N/K ACGIH TLV Code: M  
ACGIH STEL: N/P ACGIH STEL Code:  
EPA Reporting Quantity:  
DOT Reporting Quantity:  
Ozone Depleting Chemical:

Ingredient Name: RESIDUAL OILS (PETROLEUM), HYDROTREATED \*94-3\*  
Ingredient CAS Number: 64742-57-0 Ingredient CAS Code: M  
RTECS Number: RTECS Code: X  
=WT: =WT Code:  
=Volume: =Volume Code:  
>WT: >WT Code:  
>Volume: >Volume Code:  
<WT: <WT Code:  
<Volume: <Volume Code:  
% Low WT: % Low WT Code:  
% High WT: % High WT Code:  
% Low Volume: % Low Volume Code:  
% High Volume: % High Volume Code:  
% Text: N/K  
% Environmental Weight:  
Other REC Limits: N/K  
OSHA PEL: N/K OSHA PEL Code: M  
OSHA STEL: OSHA STEL Code:  
ACGIH TLV: 5 MG/CUM ACGIH TLV Code: M  
ACGIH STEL: N/P ACGIH STEL Code:  
EPA Reporting Quantity:  
DOT Reporting Quantity:  
Ozone Depleting Chemical: N

Ingredient Name: SOLVENT REFINED HYDROTREATED HEAVY PARAFFINIC DISTILLATE,  
HYDROTREATED HEAVY PARAFFINIC DISTILLATE, LUBRICATING OIL.  
Ingredient CAS Number: 64742-54-7 Ingredient CAS Code: M  
RTECS Number: PY8035500 RTECS Code: M  
=WT: =WT Code:  
=Volume: =Volume Code:  
>WT: >WT Code:  
>Volume: >Volume Code:  
<WT: <WT Code:  
<Volume: <Volume Code:  
% Low WT: % Low WT Code:  
% High WT: % High WT Code:  
% Low Volume: % Low Volume Code:  
% High Volume: % High Volume Code:  
% Text: N/K  
% Environmental Weight:

Other REC Limits: N/K  
OSHA PEL: 5 MG/CUM (MIST) OSHA PEL Code: M  
OSHA STEL: OSHA STEL Code:  
ACGIH TLV: N/K ACGIH TLV Code: M  
ACGIH STEL: N/P ACGIH STEL Code:  
EPA Reporting Quantity:  
DOT Reporting Quantity:  
Ozone Depleting Chemical: N

Ingredient Name: STODDARD SOLVENT (PETROLEUM DISTILLATE), MINERAL SPIRITS  
Ingredient CAS Number: 8052-41-3 Ingredient CAS Code: M  
RTECS Number: WJ8925000 RTECS Code: M  
=WT: =WT Code:  
=Volume: =Volume Code:  
>WT: >WT Code:  
>Volume: >Volume Code:  
<WT: <WT Code:  
<Volume: <Volume Code:  
% Low WT: % Low WT Code:  
% High WT: % High WT Code:  
% Low Volume: % Low Volume Code:  
% High Volume: % High Volume Code:  
% Text: <10  
% Environmental Weight:  
Other REC Limits: 525 MG/CUM  
OSHA PEL: 500 PPM OSHA PEL Code: M  
OSHA STEL: OSHA STEL Code:  
ACGIH TLV: 100 PPM ACGIH TLV Code: M  
ACGIH STEL: N/P ACGIH STEL Code:  
EPA Reporting Quantity:  
DOT Reporting Quantity:  
Ozone Depleting Chemical: N

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### Section 3 - Hazards Identification, Including Emergency Overview STIHL TWO-CYCLE ENGINE OIL

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**Health Hazards Acute & Chronic:** PROLONGED/REPEATED SKIN CONTACT MAY CAUSE IRRITATION, REMOVE OILS & LEAD TO DERMATITIS. EYES: MAY CAUSE IRRITATION. MINUTE AMOUNTS ASPIRATED INTO THE LUNGS BY VOMITING/INGESTION MAY CAUSE MILD TO SEVERE PULMONARY INJURY.

**Signs & Symptoms of Overexposure:**  
IRRITATION

**Medical Conditions Aggravated by Exposure:**  
EXISTING DERMATITIS

**LD50 LC50 Mixture:** ORAL LD50(RAT): >5G/KG

**Route of Entry Indicators:****Inhalation:** YES**Skin:** NO**Ingestion:** YES**Carcenogenicity Indicators****NTP:** NO**IARC:** NO**OSHA:** NO**Carcinogenicity Explanation:** NONE

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**Section 4 - First Aid Measures**  
**STIHL TWO-CYCLE ENGINE OIL**

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**First Aid:**

EYES: FLUSH W/CLEAR WATER FOR 15 MINS. SKIN: WASH W/SOAP & WATER.  
INHALATION: REMOVE FROM EXPOSURE. IF BREATHING IS IRREGULAR/HAS STOPPED  
START CPR, ADMINISTER OXYGEN IF AVAILABLE. IF OVEREXPOSURE TO OIL MIST,  
REMOVE FROM FURTHER EXPOSURE UNTIL EXCESSIVE OIL MIST CONDITIONS  
SUBSIDES. INGESTION: ASPIRATION HAZARD. DON'T INDUCE VOMITING. OBTAIN  
MEDICAL ATTENTION IN ALL CASES.

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**Section 5 - Fire Fighting Measures**  
**STIHL TWO-CYCLE ENGINE OIL**

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**Fire Fighting Procedures:**

WATER/FOAM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE-EXPOSED  
CONTAINERS COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM  
EXPOSURES. (SEE SUPP)

**Unusual Fire or Explosion Hazard:**

EXPOSING CONTAINERS TO IGNITION SOURCES MAY CAUSE AN EXPLOSION.

**Extinguishing Media:**

FOAM, WATER SPRAY,(FOG), DRY CHEMICAL, CO2, VAPORIZING LIQUID TYPE AGENTS.

**Flash Point:** Flash Point Text: 175F

**Autoignition Temperature:**

**Autoignition Temperature Text:** N/A

**Lower Limit(s):** 0.9

**Upper Limit(s):** 7

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**Section 6 - Accidental Release Measures**  
**STIHL TWO-CYCLE ENGINE OIL**

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**Spill Release Procedures:**

RECOVER FREE PRODUCT. ADD SAND, EARTH/OTHER SUITABLE ABSORBENT TO AREA.  
MINIMIZE SKIN CONTACT. KEEP PRODUCT OUT OF SEWERS & WATERCOURSES BY  
DIKING/IMPOUNDING.

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**Section 7 - Handling and Storage**  
**STIHL TWO-CYCLE ENGINE OIL**

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**Handling and Storage Precautions:****Other Precautions:**

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**Section 8 - Exposure Controls & Personal Protection**  
**STIHL TWO-CYCLE ENGINE OIL**

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**Respiratory Protection:**

USE SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED/ENCLOSED SPACES, IF NEEDED.

**Ventilation:**

USE LOCAL EXHAUST TO CAPTURE VAPOR, MISTS/FUMES, IF NECESSARY. USE EXPLOSION-PROOF EQUIPMENT.

**Protective Gloves:**

CHEMICAL-RESISTANT

**Eye Protection:** SPLASH GOGGLES/FACE SHIELD

**Other Protective Equipment:** CHEMICAL RESISTANT APRON/IMPERVIOUS CLOTHING

**Work Hygienic Practices:** REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.

**Supplemental Health & Safety Information:** SPECIAL FIRE FIGHTING PROCEDURES CONT'D: MINIMIZE BREATHING GASES, VAPOR, FUMES/DECOMPOSITION PRODUCTS. USE SUPPLIED-AIR BREATHING EQUIPMENT FOR ENCLOSED/CONFINED SPACES. POUR POINT: -20F.

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**Section 9 - Physical & Chemical Properties**  
**STIHL TWO-CYCLE ENGINE OIL**

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**HCC:**

**NRC/State License Number:**

**Net Property Weight for Ammo:**

**Boiling Point:** Boiling Point Text: N/K

**Melting/Freezing Point:** Melting/Freezing Text: (SUPP)

**Decomposition Point:** Decomposition Text: N/K

**Vapor Pressure:** <5 Vapor Density: >5

**Percent Volatile Organic Content:**

**Specific Gravity:** 0.881

**Volatile Organic Content Pounds per Gallon:**

**pH:** 7

**Volatile Organic Content Grams per Liter:**

**Viscosity:** N/P

**Evaporation Weight and Reference:** (N-BU AC=1): 0.2

**Solubility in Water:** <0.1%

**Appearance and Odor:** DARK EMERALD GREEN LIQUID W/AMMONIA ODOR

**Percent Volatiles by Volume:** 8

**Corrosion Rate:** N/K

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**Section 10 - Stability & Reactivity Data**

<http://msds.ehs.cornell.edu/msds/msdsdod/a222/m110804.htm>

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**STIHL TWO-CYCLE ENGINE OIL**

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**Stability Indicator:** YES

**Materials to Avoid:**

STRONG OXIDANTS, LIQUID CHLORINE, CONCENTRATED OXYGEN, SODIUM HYPOCHLORITE/CALCIUM HYPOCHLORITE.

**Stability Condition to Avoid:**

HEAT, FLAME, SPARKS, STATIC ELECTRICITY & OTHER SOURCES OF IGNITION.

**Hazardous Decomposition Products:**

FUMES, SMOKE, CO, SULFUR OXIDES, ALDEHYDES & OTHER PRODUCTS OF INCOMPLETE COMBUSTION.

**Hazardous Polymerization Indicator:** NO

**Conditions to Avoid Polymerization:**

N/K

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**Section 11 - Toxicological Information**  
**STIHL TWO-CYCLE ENGINE OIL**

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**Toxicological Information:**

N/P

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**Section 12 - Ecological Information**  
**STIHL TWO-CYCLE ENGINE OIL**

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**Ecological Information:**

N/P

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**Section 13 - Disposal Considerations**  
**STIHL TWO-CYCLE ENGINE OIL**

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**Waste Disposal Methods:**

DISPOSE OF IAW/LOCAL, STATE & FEDERAL REGULATIONS. EMPTY CONTAINERS RETAIN RESIDUE & CAN BE DANGEROUS. DON'T ATTEMPT TO CLEAN. DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED & RETURNED TO A RECONDITIONER.

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**Section 14 - MSDS Transport Information**  
**STIHL TWO-CYCLE ENGINE OIL**

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**Transport Information:**

N/P

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**Section 15 - Regulatory Information**  
**STIHL TWO-CYCLE ENGINE OIL**

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**SARA Title III Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**

N/P

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**Section 16 - Other Information**  
**STIHL TWO-CYCLE ENGINE OIL**

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**Other Information:**

N/P

**HAZCOM Label Information**

**Product Identification:** STIHL TWO-CYCLE ENGINE OIL

**CAGE:** 0A6L6

**Assigned Individual:** N

**Company Name:** SPECIALTY (WESTLAND) OIL COMPANY

**Company PO Box:**

**Company Street Address1:** 2740 VALLEYVIEW DR

**Company Street Address2:** SHREVEPORT, LA 71148 US

**Health Emergency Telephone:** 318-688-1300/318-687-8000

**Label Required Indicator:** Y

**Date Label Reviewed:** 09/14/1994

**Status Code:** C

**Manufacturer's Label Number:** N/R

**Date of Label:** 09/14/1994

**Year Procured:** N/K

**Organization Code:** F

**Chronic Hazard Indicator:** Y

**Eye Protection Indicator:** YES

**Skin Protection Indicator:** YES

**Respiratory Protection Indicator:** YES

**Signal Word:** WARNING

**Health Hazard:** Slight

**Contact Hazard:** Slight

**Fire Hazard:** Moderate

**Reactivity Hazard:** None

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