

Valvoline Company

OIL, SPECIAL HIGH PERFORMANCE SYNTHETIC 5W30

DATE PREPARED: 09/09/97
 MSDS NO: 505.0252918-003.001
 SPECIAL HIGH PERFORMANCE SYNTHETIC 5W30

 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL IDENTITY:
 PRODUCT NAME: Special High Performance Synthetic 5W30
 GENERAL OR GENERIC ID: Synthetic Lubricating Oil
 COMPANY: THE VALVOLINE COMPANY
 P.O. BOX 14000
 LEXINGTON, KY 40512
 TELEPHONE NUMBERS:
 EMERGENCY: 1-800-274-5263
 INFORMATION: 1-606-357-7847

 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
Detergent/Dispersant Engine Oil Package		7.0 - 17.0
Synthetic Ester	11138-60-6	5.0 - 15.0
Zinc Cl-C14	68649-42-3	1.0 - 1.0
Alkyldithiophosphate		

 3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:
 EYE: May cause mild eye irritation. Symptoms include stinging, tearing, and redness.
 SKIN: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking, and skin burns.
 SWALLOWING: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.
 INHALATION: It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).
 SYMPTOMS OF EXPOSURE: Stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), pain in the abdomen.
 TARGET ORGAN EFFECTS: No data
 DEVELOPMENTAL INFORMATION: No data
 CANCER INFORMATION: Used motor oil has been shown to cause skin cancer in laboratory animals continually exposed by repeated applications. Avoid prolonged or repeated skin contact.
 OTHER HEALTH EFFECTS: No data
 PRIMARY ROUTE(S) OF ENTRY: No data

 4. FIRST AID MEASURES

EYES: If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.
 SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.
 SWALLOWING: Do not induce vomiting. Give one glass of milk or water, and get medical attention immediately. If possible, do not leave victim unattended.
 INHALATION: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.
 NOTE TO PHYSICIANS: No data

 5. FIRE FIGHTING MEASURES

FLASH POINT: 425.0 deg F (218.3 deg C) COC
 EXPLOSIVE LIMIT: No data
 AUTOIGNITION TEMPERATURE: No data
 HAZARDOUS PRODUCTS OF COMBUSTION:
 MAY FORM: Carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorus, various hydrocarbons.
 FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Dense smoke may be generated while burning.
 EXTINGUISHING MEDIA: Regular foam, carbon dioxide, dry chemical.
 FIRE FIGHTING INSTRUCTIONS: Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.
 NFPA RATING:
 Health: 1
 Flammability: 1
 Reactivity: 0

 6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid on vermiculite, floor absorbent or other absorbent material.
 LARGE SPILL: Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

 7. HANDLING AND STORAGE

HANDLING: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.
 STORAGE: Not applicable

 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Not required under normal conditions of use. However, if misting or splashing conditions exist, then safety glasses or chemical splash goggles are advised.
 SKIN PROTECTION: Not normally required. However, wear resistant gloves such as nitrile rubber to prevent irritation which may result from prolonged or repeated skin contact with product. Wear normal work clothing covering arms and legs.
 RESPIRATORY PROTECTIONS: Not required under normal conditions of use. However, if oil mists are generated above recommended PEL/TLV of 5 mg/m3, then a NIOSH/MSHA approved respirator is advised in absence of proper environmental control. (See your industrial hygienist.)
 ENGINEERING CONTROLS: Not required under normal conditions of use. However, if unusual operating conditions exist, then provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL/TLV(s).

MATERIAL SAFETY DATA SHEET

Valvoline Company

OIL, SPECIAL HIGH PERFORMANCE SYNTHETIC 5W30

EXPOSURE GUIDELINES: Component:
DETERGENT/DISPERSANT ENGINE OIL PACKAGE: No exposure limits established
SYNTHETIC ESTER (11138-60-6): No exposure limits established
ZINC C1-C14 ALKYL DITHIOPHOSPHATE (68649-42-3): No exposure limits established

Table with 3 columns: SARA 313 Component(s), CAS Number, Max %. Row 1: Zinc C1-C14 Alkyldithiophosphate, 68649-42-3, 1.17

INTERNATIONAL REGULATIONS INVENTORY STATUS: Not determined
STATE AND LOCAL REGULATIONS CALIFORNIA PROPOSITION 65: None

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: No data
VAPOR PRESSURE: No data
SPECIFIC VAPOR DENSITY: No data
SPECIFIC GRAVITY: .857 @ 60.00 deg F
LIQUID DENSITY: 7.140 lbs/gal @ 60.00 deg F, .857 kg/l @ 15.60 deg C
PERCENT VOLATILES (INCLUDING WATER): No data
EVAPORATION RATE: Slower than Ethyl Ether
APPEARANCE: No data
STATE: Liquid
PHYSICAL FORM: No data
COLOR: Amber
ODOR: Petroleum
pH: Not applicable
VISCOSITY: < 3300.0 cps @ 10.0 - 11.0 cst @

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Product will not undergo hazardous polymerization.
HAZARDOUS DECOMPOSITION: MAY FORM: Carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorus, various hydrocarbons.
CHEMICAL STABILITY: Stable.
INCOMPATIBILITY: Avoid contact with strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

WASTE MANAGEMENT INFORMATION: Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT INFORMATION - 49 CFR 172.101: DOT DESCRIPTION: Not regulated
CONTAINER/MODE: Cases/Surface - No exemptions
NOS COMPONENT: None
RQ (REPORTABLE QUANTITY) - 49 CFR 172.101: Not applicable

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS: TSCA (TOXIC SUBSTANCES CONTROL ACT) STATUS: TSCA (United States) The intentional ingredients of this product are listed.
CERCLA RQ - 40 CFR 302.4: None
SARA 302 COMPONENTS - 40 CFR 355 APPENDIX A: None
SECTION 311/312 HAZARD CLASS - 40 CFR 370.2: Immediate, delayed.

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

SOURCE: Ashland Inc Wtr Easywtr

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