



SDS# 2118-B
Product Code: MGBIF
Date of Preparation: 10/02/17

Safety Data Sheet

SECTION 1 IDENTIFICATION

Product Name: Motor-Guard Break-in Flat Tappet

Product Code: MGBIF

Product Use: Engine Oil

Restrictions on Use: Use only as directed

Manufacturer:

Intercontinental Lubricants Corp / Spectro Oils of America
993 Federal Road
Brookfield, CT 06804
(203) 775-1291 Fax: (203) 775-8720

Emergency Phone (Infotrac): 1 (800) 535-5053 (US and Canada)
1 (352) 323-3500 (International)

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SECTION 2: HAZARDS IDENTIFICATION

Classification:

Physical	Health
Not Hazardous	Not Hazardous

Label Elements:

Not required

SECTION 3 PRODUCT COMPONENTS

Chemical Name	CAS#	Concentration
Severely Refined Petroleum Oils	64742-70-7	80-100%
Proprietary Additives	Proprietary	1-10%
Zinc Alkyl Dithiophosphate	113706-15-3	<1%

The specific identity and/or exact percentage has been withheld as a trade secret.

SECTION 4 EMERGENCY and FIRST AID PROCEDURES

Eye Contact: Flush eyes with water for several minutes holding the eyelids apart. Get medical attention if irritation persists.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation develops.

Inhalation: Remove victim to fresh air. If irritation develops or breathing is difficult, get medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms/effects, acute and delayed: May cause mild eye irritation. Prolonged skin contact may cause irritation. Excessive inhalation of vapor or mists may cause upper respiratory tract irritation and central nervous system effects. Swallowing may cause nausea, vomiting and diarrhea.

Indication of immediate medical attention and special treatment, if necessary: None required under normal conditions of use.

SECTION 5 FIRE and EXPLOSION HAZARD DATA

Suitable extinguishing media: Water fog, foam, carbon dioxide, dry chemical.

Specific hazards arising from the chemical: Not classified as flammable but will burn under fire conditions. At elevated temperatures containers may rupture. Use of large amounts of water may cause product to float and spread fire. Combustion may produce carbon oxides, sulfur oxides, hydrogen sulfide and hydrocarbon fragments.

Special protective equipment and precautions for fire-fighters: Firefighters should wear full emergency equipment and a NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water spray or stream.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Precautions for safe handling: Avoid contact with eyes and prolonged or repeated contact with skin and clothing. Avoid breathing vapors and mists. Wash thoroughly after handling. Remove oil-soaked clothing and launder before re-use.

Conditions for safe storage, including any incompatibilities: Store in a cool area away from oxidizing agents. Protect containers from physical damage.

SECTION 7 HANDLING and STORAGE

Precautions for safe handling: Avoid eye and prolonged/repeated skin contact. Avoid breathing vapors and mists. Wash thoroughly after handling. Remove oil-soaked clothing and launder before re-use. Discard oil soaked shoes and other items that cannot be laundered.

Conditions for safe storage, including any incompatibilities: Protect containers from physical damage. Store in a cool area away from oxidizers and other incompatible materials.

Empty containers retain product residues. Do not cut, weld, braze, etc. on or near empty containers. Follow all SDS precautions in handling empty containers.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Guidelines:

<u>Chemical Name</u>	<u>CAS#</u>	<u>Exposure Limits</u>
Severely Refined Petroleum Oils	64742-70-7	5 mg/m ³ TWA OSHA PEL 5 mg/m ³ TWA ACGIH TLV (inhalable)
Proprietary Additives	Proprietary	None Established
Zinc Alkyl Dithiophosphate	113706-15-3	None Established

Appropriate engineering controls: Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.

Respiratory protection: None needed under normal use conditions with adequate ventilation. If exposures are excessive, use a NIOSH approved respirator with organic vapor cartridges and particulate pre-filter. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Skin protection: Rubber, neoprene or other impervious gloves are recommended where prolonged or repeated skin contact is likely.

Eye protection: Safety glasses or goggles if splashing is possible.

Other: Impervious apron, boots and other clothing are recommended if needed to avoid prolonged/repeated skin contact. Suitable washing facilities should be available.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Amber liquid

Odor: Mild petroleum odor.

Odor threshold: Not available	pH: Not available
Melting point/Pourpoint: Not available	Boiling Point: >500°F (>260°C)
Flash point: >300.2°F/>149.0°C COC	Viscosity: >20 Cst @ 40°C
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: 0.6%	UEL: <7%
Vapor pressure: <0.1 mmHg @ 20°C	Vapor density (air =1): >2
Relative density: Not available	Solubility(ies): Insoluble
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Evaporation rate: Not available

SECTION 10 STABILITY and REACTIVITY

Reactivity: This product is not expected to react.

Chemical stability: The product is stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid excessive heat.

Incompatible materials: Avoid strong oxidizing agents.

Hazardous decomposition products: Thermal decomposition may yield carbon oxides, sulfur oxides, hydrogen sulfide and hydrocarbon fragments.

SECTION 11 TOXICOLOGICAL INFORMATION

Health Hazards:

Inhalation: Excessive inhalation of vapors or mists may cause upper respiratory tract irritation and central nervous system effects including headache, dizziness and nausea. Breathing high concentrations of oil mists may cause lipid pneumonia.

Skin Contact: Prolonged or repeated contact may cause mild irritation or dryness. Repeated skin contact may cause dermatitis.

Eye Contact: May cause mild irritation.

Ingestion: Swallowing large amounts may cause gastrointestinal effects including nausea and diarrhea.

Chronic Effects of Overexposure: None known.

Sensitization: None of the components have been found to cause sensitization in animals or humans.

Mutagenicity: This product is not expected to cause mutagenic activity.

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Carcinogenicity: None of the components of this product are listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

Acute Toxicity Values:

Acute Toxicity Estimates: Oral: >2000 mg/kg, Dermal>2000 mg/kg

Severely Refined Petroleum Oils: Oral rat LD50 > 2000 mg/kg, Dermal rabbit LD50 >2000 mg/kg

Proprietary Additives: No toxicity data available

Zinc Alkyl Dithiophosphate: Oral rat LD50 2600 mg/kg, Dermal rabbit LD50 >3160 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Severely Refined Petroleum Oils: 96 hr LL50 Pimephales promelas > 100 mg/L, 48 hr EL50 daphnia magna > 10000 mg/L

Proprietary Additives: No toxicity data available

Zinc Alkyl Dithiophosphate: 96 hr LC50 Oncorhynchus mykiss 4.5 mg/l, 48 hr EL50 daphnia magna 5.4 mg/L, 96 hr EbC50 Selenastrum capricornutum 2.1 mg/l (structurally similar chemical)

Persistence and degradability: Severely refined petroleum oils and zinc alkyl dithiophosphate are not readily biodegradable.

Bioaccumulative potential: No data available.

Mobility in soil: The product may float and can migrate from water to land.

Other adverse effects: None known.

SECTION 13: DISPOSAL INFORMATION

Waste Disposal Method: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT		Not Regulated			
TDG		Not Regulated			
IMDG		Not Regulated			
IATA		Not Regulated			

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known.

SECTION 15: REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.

EPA SARA 311 Hazard Classification: Refer to Section 2 for OSHA Hazard Classification

EPA SARA 313: This product contains the following chemicals that are regulated under SARA Title III, section 313:

Zinc Alkyl Dithiophosphate	113706-15-3	<1
Zinc Compounds		

California Proposition 65: This product contains the following chemicals known to the State of California to cause cancer and reproductive toxicity:

Benzene	71-43-2	<10 ppm	Cancer, developmental, male reproductive toxicity
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US EPA Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory.

Canada CEPA: All of the components of this product are listed on the Canadian Domestic Substances List.

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 0 Fire: 1 Reactivity: 0

Revision History:

10/9/15: New SDS.

10/02/17: Header, Section 1 Emergency Phone Number, Section 15 SARA 311