



# Material Safety Data Sheet

**NOTICE:** This Material Safety Data Sheet contains environmental, health, and toxicology information for users of this product. It also contains information to help users meet community right-to-know/emergency response reporting requirements under SARA Title III and other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. This document supersedes any previous MSDS for this product.

**HAZARDOUS MATERIAL**  
**IN CASE OF EMERGENCY, CALL**  
**CHEMTREC: 1-800-424-9300**

*Product name:*

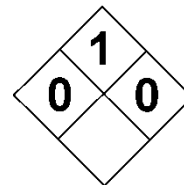
**Eco Advanced™ “Forever-2B” 5W-30 Synthetic Engine Oil**

## IMPORTANT COMPONENTS:

Materials Name	wt-% Range	CAS number	Japanese ENCS class
Synthetic aliphatic hydrocarbons	80%	848301-69-9	-
Detergent/depressant	10%	Mixture	-
Olefin copolymer	< 8%	9003-55-8	6-134
Diisodecyl adipate	< 2%	27178-16-1	2-861
Zinc alkyldithiophosphate	< 1%	68649-42-3	2-2185
Alkylated phenol	< 1%	118-82-1	3-503
Diphenylamine	< 1%	122-39-4	3-133

**WARNING STATEMENT:** Continuous long-term contact with used motor oils can cause skin cancer in animal tests. Avoid prolonged skin contact with used motor oils. No exposure limit established.

**HMIS/NFPA CODES:** HEALTH – 0  
FLAMMABILITY – 1  
REACTIVITY - 0



## HEALTH HAZARD INFORMATION

### *EYES*

EFFECTS: No significant health hazards identified.  
FIRST AID: Flush eyes with plenty of water for 15 minutes.  
PROTECTION: None required; however, use of eye protection is good industrial practice.

### *SKIN*

EFFECTS: None expected for single short-term exposures. Prolonged or repeated contact may produce some irritation.  
FIRST AID: Wash skin thoroughly with soap and water. Wash clothing before reuse.  
PROTECTION: Wear protective clothing and impervious gloves.

### *INHALATION*

EFFECTS: No significant health hazards identified.  
FIRST AID: If adverse effects occur, get medical attention.  
PROTECTION: None required; however, use of adequate ventilation is good industrial practice.

### *INGESTION*

EFFECTS: Expected to be relatively non-toxic.  
FIRST AID: Do not induce vomiting. Call physician.

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## FIRE AND EXPLOSION INFORMATION

FLASHPOINT: **>230°C (450°F)**  
EXTINGUISHING MEDIA: Agents approved for Class B hazards (e.g., dry chemical, carbon dioxide, halogenated agents, foam, steam) or water fog.  
UNUSUAL FIRE/EXPLOSION HAZARDS: None.

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## REACTIVITY INFORMATION

DANGEROUS REACTIONS: None identified.  
HAZARDOUS DECOMPOSITION: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.  
STABILITY: Stable.  
OTHER HAZARDS: Avoid contact with strong oxidizing agents and temperatures in excess of 300°C.

## **CHEMICAL AND PHYSICAL PROPERTIES**

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SOLUBILITY IN WATER:	Negligible (below 0.1%)
SPECIFIC GRAVITY (WATER = 1):	0.84-0.86 at 60°F
VISCOSITY:	9.6 – 14.7 cSt @ 100°C
VISCOSITY INDEX:	150+
CCS @ -30°C:	4250 cP max
APPEARANCE AND ODOR:	Amber/brown liquid, low odor

## **STORAGE AND ENVIRONMENTAL PROTECTION**

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STORAGE REQUIREMENTS:	No special requirements.
SPILLS AND LEAKS:	Prevent spreading by diking, ditching, or absorbing on inert materials. Keep out of sewers and waterways.
WASTE DISPOSAL:	Disposal must be in accordance with applicable federal, state, or local regulations. Enclosed/controlled incineration is recommended unless directed otherwise by applicable ordinances.

## **TOXICOLOGICAL INFORMATION**

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Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

Continuous long-term contact with petroleum based products has caused cancer in animal tests. In case of contact, wash exposed skin thoroughly with soap and water or use waterless hand cleaners to remove product from skin. Do not use gasoline, thinners, or solvents.

Wear protective clothing and impervious gloves when working with motor oils and diesel fuel additives. Remove soiled/soaked clothing, including shoes, and thoroughly clean and dry before reuse.

No component of this product is identified as a carcinogen by NTP, IARC, or OSHA.

## **REGULATORY INFORMATION**

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CERCLA REPORTABLE QUANTITY: This product is not reportable under 40 CFR Part 302.4.

DOT PROPER SHIPPING NAME: Not regulated.

OSHA HAZARD COMMUNICATION STANDARD: Not hazardous per 29 CFR 1910.1200 (d).

RCRA STATUS: This product is not subject to the 40 CFR Part 268.30 land ban on the disposal of certain hazardous wastes.

SARA STATUS: This product is not regulated under SARA Title III, 42 USC 9601.

TSCA STATUS: All of the components of this product are listed on the TSCA Inventory.

ENCS STATUS (JAPAN): All of the components of this product are listed in the Japanese inventory of Existing and New Chemical Substances.

## ISSUE INFORMATION

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This material safety data sheet and the information it contains is offered in good faith. We believe the information herein to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals or all situations. As with all products, the user must evaluate and use this product safely. The user is also responsible for compliance with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation to use this or any other product in a manner that might infringe existing patents. No warranty is made, either express or implied.

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