



Bel-Ray Company, Inc.

Material Safety Data Sheet

9190

BEL-RAY EXP SEMI-SYN M/C M/O 10W-40

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Bel-Ray Company, Inc.
P.O. Box 526
Farmingdale, NJ 07727
Main telephone: 732-938-2421
E-mail: belray@belray.com
Fax: 732-938-4232

Emergency telephone number for accident or spill:

CHEMTREC 800-424-9300

Product Name: BEL-RAY EXP SEMI-SYN M/C M/O 10W-40
Chemical Name: Mixture
Chemical Family: Largely petroleum and synthetic hydrocarbon
Preparation Date: 07/16/99

EMERGENCY OVERVIEW:

Amber liquid.

Thermal decomposition will generate carbon dioxide, carbon monoxide gases, smoke or possibly metal oxide fumes.

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

The specific identity of the ingredients listed in this section is being withheld because they are protected as trade secret information.

071798003 - 5059 P

071798003 - 5022 P

071798003 - 5060 P

071798003 - 5389 P

071798003 - 5370 P

* Zinc Compound, CAS#: mixture

*SARA 313 Chemical - See Section 15.

SECTION 3 - HAZARDS IDENTIFICATION

Eye Contact: Sustained contact with product in the eye may cause irritation.

Skin Contact: None during normal usage. Prolonged skin contact may cause redness or irritation.

Inhalation: Inhalation of product may cause irritation of the mucous membranes and respiratory tract.

Ingestion: Not an expected route of exposure. Ingestion may cause abdominal pain, nausea and vomiting.

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SECTION 4 - FIRST AID MEASURES

Eye Contact:	Flush eyes for 15 minutes with large amounts of water, while keeping the eyelids open. Seek medical attention if irritation persists.
Skin Contact:	Wash skin thoroughly with mild soap and water. Flush with luke-warm water for 15 minutes. Seek medical attention if irritation persists.
Inhalation:	Remove victim from contaminated area. Optional: Give mouth-to-mouth breathing and/or CPR, if needed. Oxygen can be given under a doctor's orders.
Ingestion:	If ingested in significant amount, DO NOT induce vomiting; call a physician immediately.
Note to Physician:	Treat symptomatically.
Medical Conditions	
Aggravated by Exposure:	None known.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point:	384 F.
Lower Flammable Limit:	Not determined.
Lower Flammable Limit:	Not determined.
Auto Ignition Temperature:	Not determined.
Extinguishing Media:	Foam, carbon dioxide(CO ₂), dry chemical, or water fog.
Unusual Fire Hazards:	None.
Firefighting Procedures:	Use self-contained breathing apparatus (SCBA). Do not enter fire area without proper protection. Fight fire from safe distance.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Releases: In case of a spill, vacuum, scoop or shovel up spilled material. Place spilled material into covered container for disposal. Dispose of according to applicable local, state and federal regulations.

SECTION 7 - HANDLING AND STORAGE

Use the recommended personal protective equipment. Do not eat, drink, smoke or apply make-up when using this material. Wash hands after using this material and before entering non-work areas or handling food or applying cosmetics. Do not use tobacco products in the immediate area.

Store in a cool area, keeping material packaged in original containers. Protect from overheating, sparks and flames.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ACGIH Threshold Limit Value (8 hr. time weighted average):	Not determined.
OSHA Permissible Exposure Limit: (8 hr. time weighted average):	Not determined.
Bel-Ray Recommended Exposure Limit: (8 hr. time weighted average):	5 mg/m ³ (for oil mist in air).
Engineering controls:	
<u>Ventilation requirements:</u>	Not necessary under normal conditions of use.
Personal Protective Equipment:	
<u>Respiratory Protection:</u>	None required under normal use conditions. Enclosed areas or large quantities may require respiratory protection.
<u>Eye and Face Protection:</u>	ANSI Z-87 approved safety glasses with side shields or equivalent chemical splash goggles.
<u>Skin Protection:</u>	Oil proof or oil resistant gloves.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber liquid.
Odor:	Mild petroleum.
Boiling Point:	Not determined.
Specific Gravity:	0.870.
Solubility in Water:	Negligible.
Vapor Pressure:	Not determined.

SECTION 10 - STABILITY AND REACTIVITY

Stability:	This material is stable.
Reactivity:	This material is not reactive.
Conditions to Avoid:	Avoid contact with heat, flames and sources of ignition.
Incompatibility/:	
Materials to Avoid:	Strong oxidizing agents: liquid chlorine, hydrogen peroxide, concentrated oxygen, sodium hypochlorite, calcium hypochlorite.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, and other harmful products.

SECTION 11 - TOXICOLOGY INFORMATION

No toxicology data is available for this material. However, similar materials have not exhibited acute toxicological effects.

Carcinogenicity: Not listed by OSHA, NTP or IARC.

SECTION 12 - ECOTOXICOLOGY INFORMATION

No ecotoxicological information is available for this material.

SECTION 13 - DISPOSAL INFORMATION

Waste Disposal: Material, as supplied, is not a U.S. EPA hazardous waste. Some states may regulate the disposal of petroleum and petroleum products. Material can be incinerated (DO NOT incinerate aerosol cans). Processing, use or contamination may make this information inaccurate or incomplete.

SECTION 14 - TRANSPORTATION INFORMATION

Shipping Class: Not Regulated.

SECTION 15 - REGULATORY INFORMATION

TSCA Status: All components of this mixture are listed on the Toxic Substances Control Act (TSCA) Section 8 (b) Chemical Inventory.

SARA Section 313: 1-5% Zinc Compounds, CAS#: mixture.

SARA Section 311/312:

Acute: No.
 Chronic: No.
 Fire: No.
 Reactivity: No.
 Sudden Release of Pressure: No.

NFPA Ratings

Health: 1
 Fire: 1
 Reactivity: 0

Guide to NFPA Ratings
0 = Insignificant
1 = Slight
2 = Moderate
3 = High
4 = Extreme

Food Grade Rating: Not a USDA Food Grade Product.

Kosher Certification: Certified Kosher by Tablet K.



Customers are reminded to check their state list of hazardous chemicals for proper disclosure and reporting of chemical substances.

SECTION 16 - OTHER

Original Issue: 12/8/98
Date Revised: 07/16/99
Revision Number: 2
Reason for Revision: Changes in Sections 2, 5, 9, 16.

Prepared By: Christine Yosco.
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