

SAFETY DATA SHEET – ECHO POWER BLEND X

Spectrum
CORPORATION



1. IDENTIFICATION

1.1. PRODUCT IDENTIFIER USED ON LABEL:

Finished Product Item Number	Customer Item Number	LABEL DESCRIPTION ACTUAL	BRAND
SM5802EE		ECHO POWERBLEND X EXTENDED LIFE OIL	ECHO
SMGR33EC	6450005	ECHO POWER BLEND X	ECHO
SMGR01EC	6450025	ECHO POWER BLEND X	ECHO
SMGR07EC	6450002	ECHO POWER BLEND X	ECHO
SM5101EC	X6972270101/99988800086	ECHO POWER BLEND X	ECHO
SM5905EC	6450250	ECHO BAR & CHAIN OIL	ECHO
SM5818ER	6450114	ECHO POWER BLEND X HIGH PERFORMANCE 2 STROKE ENGINE	ECHO
SM5818EG	6450103	ECHO POWER BLEND X	ECHO
SM5238EC	99988800088	ECHO POWER BLEND X	ECHO
SM5218EC	X6972270201/99988800085	ECHO POWER BLEND X	ECHO
SMGR25EC	X6974100202	ECHO POWER BLEND X	ECHO
SMGR02EC	6450001	ECHO POWER BLEND X	ECHO
SMGR29EC	6450000	ECHO POWERBLEND X	ECHO
SM5818EE	6450102	ECHO POWER BLEND X LOW SMOKE	ECHO
SM5818EC	6450100/6450099	ECHO POWER BLEND X	ECHO
SM5818EM	6450060	ECHO POWER BLEND X	ECHO
SMGR34EE		ECHO POWERBLEND X	ECHO
SM5906EC	6450050	ECHO POWER BLEND X	ECHO
SM5906EM	6450062	ECHO POWER BLEND X	ECHO
SM5943EE	6450116	ECHO POWER BLEND X	ECHO
SMGR33EK	6450118	ECHO POWERBLEND X	ECHO
SMGR34ER	6450109	ECHO POWER BLEND X	ECHO
SM5926EC	6450006	ECHO POWERBLEND X XTENDED LIFE OIL	ECHO
SMGR34EE		ECHO POWER BLEND X	ECHO
SMGR34EC	6450108	ECHO POWER BLEND X	ECHO
SMGR12EC	99988800089	ECHO POWER BLEND X	ECHO
SMGR34EK	6450119	ECHO POWERBLEND X	ECHO
SM5834EM	6450061	ECHO POWER BLEND X	ECHO

SAFETY DATA SHEET – ECHO POWER BLEND X

Finished Product Item Number	Customer Item Number	LABEL DESCRIPTION ACTUAL	BRAND
SMGR34EG	6450115	ECHO POWER BLEND X	ECHO
SM5955EC	6452750	ECHO POWER BLEND X	ECHO

1.2. RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE;

1.2.1. PETROLEUM LUBRICATING OIL

1.2.2. NO OTHER USES RECOMMENDED

1.3. NAME, ADDRESS, AND TELEPHONE NUMBER OF THE CHEMICAL MANUFACTURER, IMPORTER, OR OTHER RESPONSIBLE PARTY:

1.3.1.

Spectrum Lubricants Corporation

500 Industrial Park Drive
Selmer, TN 38375-3276
United States of America

Product Information

MSDS Requests: (800) 264-6457 or +17316454972

Technical Information: (800) 264-6457 or +17316454972

General Information: vswedley@spectrumcorporation.com

1.4. EMERGENCY PHONE NUMBER:

1.4.1.

Emergency Response

North America: CHEMTREC (800) 424-9300 after 5:00pm CST Or +17035273887

Health Emergency

USA: (800) 264-6457 or +17316454972

2. HAZARD(S) IDENTIFICATION

2.1. CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) of §1910.1200:

- 2.1.1. Acute Inhalation Category 4
- 2.1.2. Eye Irritant Category 2
- 2.1.3. Skin Corrosion/Irritation Category 2
- 2.1.4. Flammable Liquid Category 4

2.2. Signal Word:

- 2.2.1. Warning

2.3. Symbol:



2.4. Hazard Statements:

- 2.4.1. Harmful if Inhaled
- 2.4.2. Causes serious eye irritation
- 2.4.3. Causes skin irritation
- 2.4.4. Combustible Liquid

2.5. Precautionary Statements:

2.5.1. Prevention:

- 2.5.1.1. Avoid breathing mist or spray.
- 2.5.1.2. Use only outdoors or in a well-ventilated area.
- 2.5.1.3. Wear eye/face protection
- 2.5.1.4. Wear protective gloves
- 2.5.1.5. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

2.5.2. Response:

- 2.5.2.1. If inhaled: Remove person to fresh air and keep comfortable for breathing.
- 2.5.2.2. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.
- 2.5.2.3. If on skin: wash with plenty of water, if irritation or rash occurs get medical advice/attention. Take off contaminated clothing and wash it before reuse.
- 2.5.2.4. Call a poison center/doctor if you feel unwell.
- 2.5.2.5. In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

2.5.3. Storage:

- 2.5.3.1. Store in well-ventilated place.

2.5.4. Disposal:

- 2.5.4.1. Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/ information on ingredients

SAFETY DATA SHEET – ECHO POWER BLEND X

3.1. The chemical name and concentration (exact percentage) or concentration ranges of all ingredients which are classified as health hazards in accordance with paragraph (d) of §1910.1200

3.1.1.

COMPONENTS	CAS Number	EU Number	Concentration (%)	Hazard Statements (see Section 16)
Distillates (petroleum), hydrotreated light	64742-47-8	265-149-8	10-30	H226, H304, H315,
Solvent-dewaxed heavy paraffinic distillates	64742-65-0	265-169-7	40-50	H315, H332
Polyisobutylene	9003-29-6	Not available	40-70	H315, H319, H332

4. FIRST AID MEASURES

4.1.

Skin:	Wash skin with soap and warm water. Wash clothing before re-use.
Eye:	If splashed into eyes flush eyes with clear water for several minutes.
Inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell
Ingestion:	If ingested, do not induce vomiting. Call a physician.

5. FIRE FIGHTING MEASURES

5.1. **Flash Point:** 176°F (80°C)

5.2. **Protective Equipment/Fire Fighting Instructions:**

5.2.1. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

5.3. **Extinguishing Media:**

5.3.1. Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

5.4. **Special Firefighting Procedures:**

5.4.1. Cool exposed containers with water spray.

5.5. **Unusual Fire and Explosion Hazards:**

5.5.1. Pressure increase in over heated closed containers. Cool containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

SAFETY DATA SHEET – ECHO POWER BLEND X

6.1. Spill Procedures:

6.1.1. Remove ignition sources. Recover Liquid. Add absorbent to spill area. Ventilate confined spaces. Advise authorities if product enters sewers, etc.

6.2. Waste Disposal:

6.2.1. Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site

6.3. Precautionary Measures:

6.3.1. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Wash thoroughly after handling.

6.3.2. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

7. HANDLING AND STORAGE

7.1. HANDLING

7.1.1. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum re-conditioner or disposed of properly.

7.2. STORAGE

7.2.1. Keep container closed when not in use. Do not store with strong oxidizing agents. Do not store at elevated temperatures.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Component Exposure Limits:

8.1.1. SYNTHETIC ENGINE OIL 5mg/m³ (oil mist) ACGIH TLV OSHA PEL

COMPONENTS	ACGIH TLV	OSHA PEL
Distillates (petroleum), hydrotreated light	5mg/m ³ (oil mist) TWA	5mg/m ³ (oil mist) TWA
Solvent-dewaxed heavy paraffinic distillates	5mg/m ³ (oil mist) TWA	5mg/m ³ (oil mist) TWA
Polyisobutylene	5mg/m ³ (oil mist) TWA	5mg/m ³ (oil mist) TWA

8.2. Engineering Controls:

8.2.1. Ventilate as needed to comply with exposure limit

8.3. Eye Protection:

SAFETY DATA SHEET – ECHO POWER BLEND X

8.3.1. Use goggles/face shield to avoid eye contact

8.4. Glove Protection:

8.4.1. Use impervious gloves to avoid repeated/prolonged skin contact.

8.5. Work/Hygienic Practices:

8.5.1. If clothing becomes contaminated, change to fresh clean clothing. Do not wear until thoroughly laundered.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Appearance/Odor:	Green colored liquid with mild hydrocarbon odor.	9.2. Odor Threshold:	No data available
9.3. pH:	No data available	9.4. Boiling Point:	Wide range
9.5. Melting Point:	No data available	9.6. Solubility (H₂O):	Negligible
9.7. Specific Gravity:	0.8707 @ 15.6°C	9.8. Density:	7.251 lbs/gal
9.9. Octanol/H₂O Coeff.:	No data available	9.10. Evaporation Rate (BUAC=1):	<1
9.11. Molecular Weight:	No data available	9.12. Decomposition Temp:	No data available
9.13. Auto Ignition:	No data available	9.14. Lower Flammability Limit:	No data available
9.15. Flash Point:	176°F (80°C)	9.16. Upper Flammability Limit:	No data available
9.17. Vapor Density (Air=1):	>1	9.18. Vapor Pressure:	<1mmHg @ 20°C
9.19. VOC:	135g/L	9.20. Flammability Class:	Combustible liquid
9.21. Viscosity @ 40°C	77cSt (77 mm ² /s)	9.22. Viscosity @ 100°C	10.4cSt (10.4 mm ² /s)

10. STABILITY AND REACTIVITY

10.1. Reactivity:

10.1.1. Material does not pose a significant reactivity hazard.

10.2. Chemical Stability:

10.2.1. Stable

10.3. Incompatibility/Conditions to avoid:

10.3.1. Avoid strong oxidants

10.4. Possibility of Hazardous Reactions:

SAFETY DATA SHEET – ECHO POWER BLEND X

10.4.1. Will not undergo hazardous polymerization.

10.5. Hazardous Decomposition Products:

10.5.1. Partial burning produces fumes, smoke and carbon monoxide

11. TOXICOLOGY INFORMATION

11.1. Likely Routes of Exposure:

11.1.1. Ingestion, Inhalation, Eye contact, Skin contact.

11.2. Acute Effects:

11.2.1. Inhalation: Harmful if inhaled. May cause respiratory irritation.

11.2.2. Eye Contact: Causes serious eye irritation.

11.2.3. Skin Contact: Causes Skin irritation.

11.2.4. Ingestion: Expected to be low ingestion hazard.

11.3. Component Data/ Analysis

COMPONENTS	Oral (LD50) (Rat)	Inhalation (LC50) (Rat)	Dermal (LD50) (Rabbit)
Distillates (petroleum), hydrotreated light	>5000 mg/kg	2.18 mg/l (4hr)	>2000 mg/kg
Solvent-dewaxed heavy paraffinic distillates	>5000 mg/kg	2.18 mg/l (4hr)	>2000 mg/kg
Polyisobutylene	>5000 mg/kg	5.53 mg/l (4hr)	>2000 mg/kg

11.4. Sensitization:

11.4.1. None known.

11.5. Carcinogenicity:

11.5.1. None greater than 0.1%.

11.6. Mutagenicity:

11.6.1. None known.

11.7. Reproductive Toxicity:

11.7.1. None known.

11.8. Teratogenicity:

11.8.1. None known.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity

12.1.1. An environmental fate analysis is not available for this specific product. Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

12.2. Environmental Fate

12.2.1. Analysis for ecological effects has not been conducted on this product. However, if spilled, this product and any contaminated soil or water may be harmful to human, animal, and aquatic life. Also, the coating action associated with petroleum and petroleum products can be harmful or fatal to aquatic life and waterfowl.

13. DISPOSAL CONSIDERATIONS

13.1. Waste Disposal:

- 13.1.1. Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site.

14. TRANSPORTATION INFORMATION

The shipping description below may not represent requirements for all modes of transportation, shipping methods or locations outside of the United States.

14.1. ROAD AND RAIL

- 14.1.1. DOT: NOT REGULATED

14.2. VESSEL

- 14.2.1. IMDG: NOT REGULATED

14.3. AIR

- 14.3.1. IATA: NOT REGULATED

15. REGULATORY INFORMATION

15.1. TSCA Inventory

- 15.1.1. This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

15.2. SARA 302/304 Emergency Planning and Notification

- 15.2.1. No components were identified.

15.3. SARA 311/312 Hazard Identification

- 15.3.1. Acute (Immediate) Health Hazard

15.4. SARA 313 Toxic Chemical Notification and Release Reporting

- 15.4.1. : No components were identified.

15.5. CERCLA

- 15.5.1. No components were identified.

15.6. Clean Water Act (CWA)

- 15.6.1. This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

15.7. California Proposition 65:

- 15.7.1. The product does not contain chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

15.8. New Jersey Right-to-Know Label

- 15.8.1. Petroleum Oil

16. OTHER INFORMATION

- 16.1.

SAFETY DATA SHEET – ECHO POWER BLEND X

HAZARD RANKINGS			
HMIS		NFPA	
HEALTH HAZARD	1	HEALTH HAZARD	1
FIRE HAZARD	2	FIRE HAZARD	2
PHYSICAL HAZARD	0	INSTABILITY/REACTIVITY	0
Personal Protection	B		

Components Hazard Statements	
H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled

16.2. **Date of preparation:** 12/18/2013

16.3. **MANUFACTURER DISCLAIMER:**

16.3.1. *The data presented herein is based upon tests and information, which we believe to be reliable. However, users should make their own investigations to determine the suitability of the information for their particular purpose.*