Safety Data Sheet

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System
Revision Date: None **Revision 0**

Section 1 - Chemical Product and Company Identification

Product Name: Kawasaki Motors Corp., U.S.A. SEF 50-1 2 Cycle Fuel
Synonym: Blend
Distributed by Kawasaki Motors Corp., U.S.A. 5080 36th St SE, Grand Rapids, MI 49512, 616.949.6500
Manufactured under license by VP Racing Fuels, Inc., 204 E. Rhapsody, San Antonio, Texas 78216, 210.635.7744
Recommended Use: Small Engine Fuel

RESTRICTIONS on USE

THIS PRODUCT IS FOR 2 CYCLE GASOLINE ENGINE USE ONLY!

Emergency Response Number: CHEMTREC 800-424-9300

Section 2 - Hazards Identification

GHS HAZARD

Hazard Classes	Hazard Categories
Highly Flammable liquid/vapor	Category 2
Specific Target Organs toxicity single exposure	Category 3
Specific Target Organs repeated exposure	Category 2
Eye Irritation	Category 2
Skin Irritation	Category 2
Acute Toxicity Oral	Category 4
Acute Toxicity Inhalation	Category 4
Mutagenicity	Category 1B
Carcinogen	Category 1B
Reproductive Toxicity	Category 2
Aspiration Hazard	Category 1
Toxic to Aquatic Life Long Lasting Effects	Category 2

Signal Word: Danger

Pictograms:

Flame Health Hazard Irritant Aquatic Hazard

Hazard Statements

PHYSICAL HAZARDS:	**H225: Highly flammable liquid and vapor.**
HEALTH HAZARDS:	**H302: Harmful if swallowed.** **H304: May be fatal if swallowed and enter the airway.** **H315: Causes skin irritation.** **H319: Causes serious eye irritation.** **H332: Harmful if inhaled.** **H336: May cause drowsiness or dizziness.** **H340: May cause genetic defects.** **H350: May cause cancer.** **H361: Suspected of damaging fertility or the unborn child.** **H373: May causes damage to organs through prolonged or repeated exposure.**
ENVIRONMENTAL HAZARDS:	**H411: Toxic to aquatic life with long-lasting effects.**
PRECAUTIONARY STATEMENTS:	**P102: Keep out of reach of children.** **P201: Obtain special instructions before use. READ SDS BEFORE USE.** **P202: Do not handle until all safety precautions have been read and understood.** **P210: Keep away from sparks and open flames-No smoking.** **P240: Ground or bond container and receiving equipment.** **P241: Use explosion-proof equipment.** **P242 Use only non-sparking tools.** **P243 Take precautionary measures against static discharge.** **P260: Do not breathe mist.** **P264: Wash hands thoroughly after handling.** **P270: Do not eat, drink, or smoke when using this product.**

	P271: Use only outdoors or in a well-ventilated area. **P273: Avoid release to the environment.** **P280: Wear protective gloves, clothing, and eye protection.**
RESPONSE STATEMENTS:	**P301 +P310+ P331: IF SWALLOWED: Immediately call the National POISON CENTER at 800-222-1222. DO NOT induce vomiting.** **P303+P361+P353: IF ON SKIN Take off immediately all contaminated clothing. Rinse skin with water.** **P304+P340: IF INHALED. Remove to fresh air and keep comfortable for breathing.** **P305+P351: IF IN EYES: Rinse cautiously with water for at least 15 minutes.** **P308+P313: If exposed or concerned, get medical attention.** **P362+P364: IF ON CLOTHING, take off contaminated clothing and wash it before reuse** **P313+P332+P337: If skin or eye irritation persists get medical attention** **H314: Get medical attention if you feel unwell.** **P370: In case of fire, use foam, carbon dioxide, dry chemicals to extinguish the fire.** **P391: Collect spillage.**
STORAGE STATEMENTS:	**P403+P235: Store in a well-ventilated place. Keep cool.** **P405: Store locked up.**
DISPOSAL STATEMENTS:	**P501: Dispose of content and/or container in accordance with local, regional, national or international regulations**

2.5 Hazards not otherwise classified (HNOC) or not covered by GHS: Repeated exposure may cause skin dryness or cracking.

Section 3 - Composition / Information on Ingredients

CAS#	Chemical Names	Percent	Classification
N/A	Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20 with a blend of 2 cycle oil	100%	None

Blend

Chemical Names	CAS#	Classification
1,1,2-Trimethylethane	78-78-4	Flam. Liq. 1 H224, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Eye Irrit 2, H319, STOT SE 3 Central nervous Sys Inhalation H336, Aquatic Chronic 2 H411
Phenylmethane	108-88-3	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Eye Irrit 2, H319, STOT SE 3 Central nervous Sys Inhalation H336, Repr. 2 H361, STOT RE 2 Central nervous sys H373
Alkylate Full Range	64741-64-6	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Eye Irrit 2, H319, STOT SE 3 Central Nervous Sys. Inhalation H336, Muta. 1B H340, Carc. 1B H350, Aquatic Chronic 2 H411
Hydrotreated light petroleum distillates	64742-47-8	Asp. Tox. 1 H304
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	Carc. 1B H350
Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene)	9003-29-6	Asp. Tox. 1 H304, Skin Irrit. 2 H315

Trade Secret Provision and Chemical Concentration Disclosure: Per OSHA and GHS Regulations, we have withheld specific percentages of the chemicals in this mixture. The chemical concentrations have been disclosed as a blend and apply to the hazards as identified in this Safety Data Sheet.

Section 4 - First Aid Measures

Eye: Contact with the eyes can cause serious irritation. Symptoms may include discomfort or pain and redness. Severe overexposure can result in swelling of the conjunctiva along with tissue damage.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Prolonged and repeated liquid contact can cause defatting and drying of the skin and can lead to irritation and dermatitis.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately and wash clothing before reuse.

Ingestion: Liquid ingestion can cause inebriation, headache, gastrointestinal pain, nausea, and vomiting leading to central nervous system depression. Aspiration of liquid into the lungs must be avoided as even small quantities in the lungs can produce chemical pneumonia, pulmonary edema, and even death.

Ingestion: Do NOT induce vomiting. Get medical aid immediately.

Inhalation: Prolonged breathing of high vapor concentrations can produce headaches, dizziness, nausea, and impaired vision. Excessive overexposure can cause central nervous system depression, loss of consciousness, liver damage and death resulting from respiratory failure.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

After first aid, get appropriate paramedic, or community medical support.

Note to Physicians: The severity of outcome following ingestion may be more related to the time between ingestion and treatment, rather than the amount ingested. Therefore, there is a need for rapid treatment of any ingestion exposure.

Section 5 - Fire-Fighting Measures

General Fire Hazards: Use water to cool containers exposed to fire.

Hazardous Combustion Products: Avoid fumes of burning products.

Extinguishing Media: Carbon dioxide, dry chemical, foam.

Fire Fighting Equipment/Instructions: Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

Section 6 - Accidental Release Measures

Spill /Leak Procedures: Ventilate area highly flammable. Spillages of the liquid product will create a fire hazard and may form an explosive atmosphere. Keep all sources of ignition away from the spill.

Spills: Avoid direct contact with the material. Stop leak if without risk. Move containers from the spill area. Prevent entry into sewers or waterways. Contain and collect spillage with non-combustible, absorbent material such as sand, earth, vermiculite or diatomaceous earth and place in a container for disposal.

Section 7 - Handling and Storage

Handling Precautions: Keep away from ignition sources such as heat, sparks, and open flames NO SMOKING Take precautionary measures against static discharge. Non-sparking tools should be used. Wear protective gloves, clothing and eye protection. Wash thoroughly after handling. Use good personal hygiene practices and wear appropriate personal protective equipment. Empty containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death.

Storage Requirements: Store in original manufacture container tightly closed container in a cool, dry, and well-ventilated area.

Chemical Incompatibilities: Strong oxidizing agents and strong reducing agents.

Section 8 - Exposure Controls / Personal Protection

Chemical Names	ACGIH- TLV	OSHA - PEL
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20 with a blend of 2 cycle oil	20 - 300 ppm TWA	20- 300 ppm TWA

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.
OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.
NOTE: TWA Means "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour workweek which shall not be exceeded.

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Contaminated Equipment: Separate contaminated work clothes from street clothes and launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Personal protective equipment

Respiratory protection

Where risk assessment shows, air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied-air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

Hand protection

Handle with gloves. Gloves must be inspected before use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/ISEA 105-2011**.

Full contact: Viton

Splash contact: Viton

V Registered trademark of The Chemours Company FC, LLC.

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

Skin and body protection

Impervious clothing, flame retardant antistatic protective clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Protective Clothing Pictograms

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: Various
Odor: Aromatic Hydrocarbon Odor
Vapor Pressure: Not Available
Vapor Density (Air=1): >1
Specific Gravity (H2O=1,): 0.72
Relative Density: Not Available
Odor Threshold: Not Available
Flammability (solid, gas): Not applicable.
Evaporation rate: Not Available
Partition coefficient octanol/water: Not Available

Water Solubility: Insoluble
Melting point/freezing point: Not Available
Flash Point: 31.9°F (-35.5°C) close cup
Boiling Point / Range: 97.7 – 402.1°F (36.5 – 205.6°C)
Lower Explosive Limits (vol % in air): 1%
Upper Explosive Limits (vol % in air): 8%
Viscosity: <20.5mm2/s @104°F 40°C
Auto ignition Temperature: Not Available
Decomposition Temperature: Not Available
pH: None

Section 10 - Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Polymerization: Hazardous polymerization has not been reported.

Chemical Incompatibilities: Strong oxidizing agents

Hazardous Decomposition Products: Combustion produces carbon monoxide and carbon dioxide

Conditions to Avoid: Avoid heat, sparks open flames and other ignition sources

Section 11- Toxicological Information

Acute Toxicity Estimate for this blend (ATE)
ATE (Oral): 1666 mg/kg
ATE (Dermal): 2500 mg/kg
ATE (Inhalation vapor/mist): 5.9 mg/l mist

11.1.1 OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause Harmful Oral Toxicity.

11.1.2 OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Dermal Toxicity.

11.1.3 OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause Harmful Inhalation Toxicity.

11.2 Route of Entry: Inhalation**,** Ingestion, Absorption, Skin, and Eye Contact.

11.3 Aspiration Hazard: European Chemical Agency Data Base shows that components of this product may be fatal if swallowed and enters airways.

11.4 Mutagenicity: OECD Guideline Test results found in the European Chemical Agency DataBase show components of this product to cause genetic defects.

11.5 Skin Corrosion/Irritation: OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause skin irritation. Repeated exposure may cause skin dryness or cracking.

11.6 Serious Eye Damage/Irritation: OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause serious eye irritation.

11.7 Reproductive toxicity: OECD Guideline Test results found in the European Chemical Agency DataBase show components of this product to cause damage to fertility or the unborn child.

11.8 Skin Sensitization OECD Guideline Tests results found in the European Chemical Agency DataBase show no components of this product to cause skin sensitivity.

11.9 Respiratory Sensitization OECD Guideline Tests results found in the European Chemical Agency DataBase show no components of this product to cause respiratory sensitivity.

11.10 Specific Target Organ Toxicity (Single Exposure): European Chemical Agency Data Base shows that components of this product may cause damage to the central nervous system (CNS).

11.11 Specific Target Organ Toxicity (Repeated Exposure): Contains chemicals that may cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

11.12 Signs and Symptoms: Effects due to exposure may include: Headache, Dizziness, Drowsiness, Metabolic Acidosis, Coma, Seizures. Symptoms may be delayed.

11.13 Carcinogenicity: OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause cancer.

Chemical Name	IARC	ACGIH	NTP	OSHA
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20 with a blend of 2 cycle oil	Not classifiable as a human carcinogen	Not classifiable as a human carcinogen	Not listed	Not listed

Section 12 - Ecological Information

Product Name	Results	Species	Exposure
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20 with a blend of 2 cycle oil	Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the environment		

Toxicity: OECD Guideline Test results found in the European Chemical Agency DataBase show components of this product to cause long-term toxicity to aquatic life.

Mobility: Floats on water.

Persistence/degradability: Inconclusive technical data.

Bioaccumulation: Inconclusive technical data.

Section 13 - Disposal Considerations

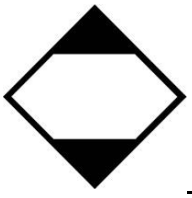
Disposal: DO NOT REUSE EMPTY CONTAINER! The container should be emptied before discard. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

Section 14 - Transport Information

DOT Transport Information

ID No.: UN 1203
Shipping Name: Gasoline
Hazard Class: 3
Packing Group: II
Label: Flammable
Placard: Flammable

Marking: MARINE POLLUTANT Alkylate Full Range when shipping ground greater than 119 gallons single container or any quantity by water.



Use marking when shipping as a Limited Quantity ground in the US

DOT Transport Limited Quantity
Inner packaging not over
1.0L (0.3 gallons) net capacity each.
Outer Package not over 30kg (66lbs) each

Section 15 - Regulatory Information

US Regulations

US. Toxic Substances Control Act: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

Toxic Release Inventory (TRI): This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know- Act of 1986 (40 CFR 372):

CAS Number	Chemical Name	Chemical percentage by weight not exceeding
108-88-3	Phenylmethane	18%

This information must be included in all SDSs that are copied and distributed for this material.

CERCLA Hazardous Substances and corresponding RQs: Phenylmethane 1000lbs

SARA Community Right-to-Know Program: All components of this blend

Clean Water Act: None

Clean Air Act: 1,1,2-Trimethylethane

OSHA: All ingredients are regulated by 29 CFR 1910.1200

State Regulations
California prop. 65

WARNING-Cancer and Reproductive Harm - www.P65Warnings.ca.gov."

Chemicals on the following State Right to Know Lists:

Massachusetts: All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements.

New Jersey All components of this product are on the New Jersey inventory or are exempt from Inventory requirements.

Pennsylvania: All components of this product are on the Pennsylvania Inventory or are exempt from Inventory requirements.

Section 16 - Other Information

Disclaimer: The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

References: CHEMpendium database of the Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller online, European Chemical Agency Data Base and MSDS and SDS of chemicals in this mixture.

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Prepared by SJC Compliance Education, Inc
16516 El Camino Real Suite 417
Houston, TX 77062
VP@sjcedu.org

SJC Compliance Education
YOUR GUIDE THROUGH THE MAZE