

SAFETY DATA SHEET-Mercury Marine Power Tune Engine Cleaner

1. IDENTIFICATION

1.1. PRODUCT IDENTIFIER USED ON LABEL:

1.1.1. MERCURY MARINE POWER TUNE ENGINE CLEANER

1.2. OTHER MEANS OF IDENTIFICATION: 005-7016KC

1.2.1. POWER TUNE ENGINE CLEANER

92-8M58080K03	92-8M58080KC3	92-858080K03	92-858080KC3
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1.3. RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

1.3.1. ENGINE CLEANER

1.3.2. NO OTHER USES RECOMMENDED

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

1.4.1.

Mercury Marine

P.O. Box 1939
Fond du Lac, WI 54935
United States of America

Product Information

General Information: +1 (920) 929-5000

1.5. EMERGENCY PHONE NUMBER:

1.5.1.

Emergency Response: CHEMTREC

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

CHEMTREC outside USA: +1703527388

Health/Spills: (800) 548-0489

2. HAZARD(S) IDENTIFICATION

2.1. Inhalation health risks and symptoms of exposure:

2.1.1. Respiratory irritation, headache, nausea, fatigue, drowsiness, impaired coordination, possible unconsciousness.

2.2. Skin and eye contact health risks and symptoms of exposure:

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2.2.1. Skin: Contact may dry the skin; prolonged contact may cause irritation.

2.2.2. Eyes: Liquid or vapor can cause severe irritation, redness, tearing, and blurred vision; prolonged contact may lead to corneal damage.

2.3. Skin absorption health risks and symptoms of exposure:

2.3.1. May be absorbed. Solvent action can dry and defat the skin causing the skin to crack, leading to dermatitis.

2.4. Ingestion health risks and symptoms of exposure:

2.4.1. Not a likely route of exposure. Can cause gastro-intestinal irritation, vomiting, diarrhea, blindness and death. If swallowed, do not induce vomiting. Seek immediate medical advice and/or attention.

2.5. Health hazards (acute and chronic)

2.5.1. Acute: Eye irritant. Skin irritant. Narcotic in high concentrations.

2.5.2. Chronic: Unknown for product as a whole

2.6. Carcinogenicity:

2.6.1. NTP carcinogen: No

2.6.2. IARC Monographs: No

2.6.3. OSHA regulated: No

2.7. Medical conditions generally aggravated by exposure:

2.7.1. Acute and chronic liver and kidney disease, anemia.

3. Composition/ information on ingredients

3.1.

Reportable Components	CAS Number	VAPOR mm Hg	Pressure @ Temp	Weight Percent	OSHA PEL	ACGIH TLV
Aromatic petroleum distillate	64742-94-5	.5	68	37	Not established	Not established
2-butoxyethanol, glycol ether eb	111-76-2	.6	68	21	25 ppm	25 ppm skin
Solvent dewaxed paraffinic petroleum distillate	64742-65-0	.001	77	7	5.0 mg/m ³ as oil mist	5.0 mg/m ³ as oil mist
Morpholine	110-91-8	7	68	3	20 ppm	20 ppm skin
Propane	74-98-6	6350	68	8	1000 ppm	Asphyxiant

3.2. No toxic chemical (s) subject to the reporting requirements of section 313 of Title III of 40 CFR 372 are present.

4. FIRST AID MEASURES

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4.1.

Inhalation:	Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.
Eye:	Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.
Skin Contact:	Wipe off with towel. Wash with soap and water. Get medical attention if irritation persists.
Ingestion:	If swallowed, do not induce vomiting. Seek immediate medical advice and/or attention.

5. FIRE FIGHTING MEASURES

5.1. Flash point:

5.1.1. -156°F

5.1.2. Method Used: Estimated

5.2. Flammable limits in air by volume:

5.2.1. Lower: .9

5.2.2. Upper: 12.7

5.3. Extinguishing media:

5.3.1. Foam, alcohol foam, CO₂, dry chemical, water fog.

5.4. Special firefighting procedures:

5.4.1. Water spray may be ineffective. Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles preferred. Wear goggles and self-contained breathing apparatus.

5.5. Unusual fire & explosion hazards:

5.5.1. Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can flash or explode if ignited. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.

6. ACCIDENTAL RELEASE MEASURES

6.1. Steps to be taken in case material is released or spilled:

6.1.1. Avoid breathing vapors.

6.1.2. Ventilate area.

6.1.3. Remove all sources of ignition.

6.1.4. Clean up area with absorbent material and place in closed containers for disposal.

7. HANDLING AND STORAGE

7.1. Precautions to be taken in handling and storing:

- 7.1.1. Store and use in cool, dry, well-ventilated areas.
- 7.1.2. Keep away from heat, sparks and flame. Do not store above 120°F.
- 7.1.3. Do not puncture or incinerate (burn) cans. Do not stick pin, nail or any other sharp object into opening on top of can.
- 7.1.4. Do not spray in eyes. Do not take internally.
- 7.1.5. See product label for additional information.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Precautions:

- 8.1.1. Small pressurized containers of flammable products may be stored in areas suitable for ordinary combustibles with respect to construction, drainage, control of ignition sources, and ventilation except they should not be stored in basements.

8.2. Respiratory protection:

- 8.2.1. None under normal use
- 8.2.2. Avoid breathing vapors.
- 8.2.3. In restricted areas, use approved chemical/ mechanical filters designed to remove a combination of particles and vapor.
- 8.2.4. In confined areas, use approved airline type respirator or hood.
- 8.2.5. Self-contained breathing apparatus is required for vapor concentration above PEL/TLV limits.

8.3. Ventilation:

- 8.3.1. Sufficient to prevent inhalation of solvent vapors.
- 8.3.2. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below acceptable limit and LEL below stated limit.

8.4. Protective gloves:

- 8.4.1. None under normal use.
- 8.4.2. Solvent resistant gloves required for prolonged or repeated contact.

8.5. Eye protection:

- 8.5.1. None under normal use; however, use of safety glasses with splash guards or full face shield is recommended.

8.6. Other:

- 8.6.1. None under normal use; however, use of solvent resistant aprons or other clothing is recommended.

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8.7. Work/hygienic practices:

8.7.1. Eye washes and safety showers in the workplace are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1.

9.1.1. Flash Point:	-156°F (-104.44°C)
9.1.2. Lower Flammability Limit:	.9
9.1.3. Upper Flammability Limit:	12.7
9.1.4. Boiling Range:	-44°F (-42.22°C)- 500°F (260°C)
9.1.5. Vapor Density:	Heavier than air
9.1.6. Solubility in Water	Slight to moderate
9.1.7. Specific Gravity (H ₂ O=1)	0.86
9.1.8. Evaporation Rate:	Slower than ether
9.1.9. Appearance and Odor	Aerosol product

10. STABILITY AND REACTIVITY

10.1. Stability:

10.1.1. Stable

10.2. Incompatibility:

10.2.1. Strong oxidizing agents.

10.3. Hazardous Polymerization:

10.3.1. Will not occur.

10.4. Hazardous Decomposition or Byproducts:

10.4.1. May produce fumes when heated to decomposition. Fumes may contain carbon monoxide and other toxic fumes.

10.5. Conditions to Avoid:

10.5.1. Applications to hot surfaces. Storage above 120°F (48.88°C). Exposure to open flame.

11. TOXICOLOGY INFORMATION

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11.1. Long-term toxicological studies have not been conducted for this product.

12.ECOLOGICAL INFORMATION

12.1. Long-term ecological studies have not been conducted for this product.

13. DISPOSAL CONSIDERATIONS

13.1. **Waste Disposal Method:**

13.1.1. Dispose of in accordance with local, state, and federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

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. **LAND:**

14.1.1. Shipping Name: Lubricant, NOI

14.2. **Water:**

14.2.1. DOT Proper Shipping Name: UN 1950, Aerosols, 2.1, LTD quantity.

14.3. **AIR:**

14.3.1. 14.2.1. DOT Proper Shipping Name: UN 1950, Aerosols, 2.1, LTD quantity. (Packing instruction Y203 applies)

15.REGULATORY INFORMATION

15.1. **TSCA Inventory**

15.1.1. All ingredients are either listed on the TSCA inventory or exempt.

16.OTHER INFORMATION

16.1.

HMIS Codes	
HEALTH HAZARD	2
FIRE HAZARD	4
INSTABILITY/REACTIVITY	0
Protection Index	-

16.2. **Date of preparation:** November 21, 2013

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16.3. This product may be formulated with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Mercury Marine must rely on information provided by those materials manufacturers or distributors.

16.4. **MANUFACTURERS DISCLAIMER:**

16.4.1. ***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***