

MATERIAL SAFETY DATA SHEET

Trade Name: Cyclo Emissions Controller 6/14.5 oz
MSDS NO. C-2232
Revision Date:
Date Printed 04/21/2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Cyclo Emissions Controller 6/14.5 oz
Chemical Family: PETROLEUM HYDROCARBON OIL
Synonyms: None
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300
Supplier: Cyclo Industries 401 Maplewood Dr. Suite 18, Jupiter, FL 33458

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	OSHA TWA	OSHA STEL	OSHA SKIN
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	90-97	Not Listed	Not Listed	Not Listed
Proprietary Oil Soluble Polymer Blend Proprietary	3-10	Not Listed	Not Listed	Not Listed

Component	Weight %	OSHA Z PEL	OSHA Z TWA	OSHA Z Ceiling
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	90-97	2000 mg/m ³ 500 ppm	1600 mg/m ³ 400 ppm	Not Listed
Proprietary Oil Soluble Polymer Blend Proprietary	3-10	Not Listed	Not Listed	Not Listed

Component	ACGIH TLV TWA	ACGIH TLV STEL	ACGIH TLV Ceiling
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	Not Listed	Not Listed	Not Listed
Proprietary Oil Soluble Polymer Blend Proprietary	Not Listed	Not Listed	Not Listed

3. HAZARDS IDENTIFICATION

Emergency Overview: Primary Route of entry is Skin. Tests on similar materials suggest that no eye or skin short-term exposure effects are expected. Personnel with pre-existing skin disorders should avoid contact with this product. Tests on similar materials indicate no significant adverse effects expected by ingestion. This material is practically non-toxic.

HMIS Classification: Health: 1 Flammability: 1 Physical Hazard: 0
NFPA Rating: Health: 1 Flammability: 1 Reactivity: 0

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Seek medical attention if irritation persists.
Ingestion: Product is practically non-toxic. If swallowed, do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person.
Inhalation: Not likely to occur except a mist. If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

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4. FIRST AID MEASURES

Skin Contact: Wash with soap and water. Remove contaminated clothing and shoes, and launder before reuse. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point °F(°C): >360 F
Flash Point Method: COC
Flammable Limits in Air - Lower (%): Not Determined
Flammable Limits in Air - Upper (%): Not Determined
Autoignition Temperature °F(°C): >650 A
Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical. Water fog and foam may cause frothing and spattering.

Protection Of Fire-Fighters:

Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing. This product is slightly combustible. If heated above its flash point will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. Mists or sprays may be flammable below oil's normal flash point. Keep away from extreme heat or open flame.

Hazardous Combustion Products:

Carbon Dioxide. Fumes and Smoke.

Aerosol Comments:

Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Wear appropriate protective clothing and equipment to prevent skin and eye contact.

Spill Procedures:

Avoid all sources of ignition; heat, sparks and open flames. Contain any liquid from leaking containers. Ventilate spill area. Soak up material with absorbent and place in chemical waste container.

Action to be taken if material is released or spilled: Wipe, scrape or soak up in an inert material and put in a container for disposal. Wear proper protective equipment as specified in the protective equipment section.

Environmental Precautions:

Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

7. HANDLING AND STORAGE

Handling and Storage:

Keep away from heat and open flame. Wash thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid extreme temperatures. Keep container closed when not in use. Remove clothing immediately if the product gets inside. Then, wash thoroughly and put on clean clothing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Use local exhaust. Showers. Eyewash stations.

Eyes:

Wear safety glasses or goggles to protect against exposure.

Skin Protection:

Use chemical resistant gloves for prolonged skin contact. PVC coated apron or clothing. Nitrile coated apron or clothing. Neoprene coated apron or clothing.

Respiratory Protection:

Use in a well ventilated area. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless to light yellow liquid
Odor: SLIGHT PETROLEUM
pH Value: Neutral
Vapor Pressure: <.001 mm Hg @ 20C
Vapor Density (Air=1): >5
Boiling Point (°F): >500 F
Melting/Freezing Point: Not determined.
Solubility in Water: NEGLIGIBLE
Bulk Density at 20°C: Not Determined
Molecular Weight: Mixture
Specific Gravity (H2O=1): .90
Viscosity: 900 cst @ 100 C
Evaporation Rate: 1000 X slower than ethyl ether
VOC Content(%): Negligible

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9. PHYSICAL AND CHEMICAL PROPERTIES

Decomposition Temperature: Not Known

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE.
Conditions to Avoid: Avoid any source of ignition.
Materials to Avoid: Strong oxidizers.
Hazardous Decomposition Products: Carbon dioxide. and other asphxiants.
Hazardous Polymerization: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Component	Route	Species	Dose
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	NA	NA	Not known.
Proprietary Oil Soluble Polymer Blend Proprietary	NA	NA	Not known.

Carcinogenicity:

Component	IARC	NTP	OSHA
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	Not Listed	Not Listed	Not Listed
Proprietary Oil Soluble Polymer Blend Proprietary	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Remarks: Ecological testing has not been conducted on this product.

13. DISPOSAL CONSIDERATION

Waste Classification: This product is not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined.
Waste Management: Not determined.
Disposal Method: Disposal should be made in accordance with federal, state and local regulations. Incineration recommended in approved incinerator according to federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

U.S. DOT:

Proper Shipping Name: Not Applicable
Hazard Class: Not Regulated
UN/NA Number: Not Applicable
DOT Packing Group: Not Applicable

IMDG:

Proper Shipping Name: Not Applicable
Hazard Class: Non-hazardous
Hazard Subclass: Not Applicable
UN No.: Not Applicable

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14. TRANSPORTATION INFORMATION

Packing Group: Not Applicable
 Marine Pollutant: No

15. REGULATORY INFORMATION

US Federal Regulations:

Component	SARA 313	SARA 302	TPQ	RQ
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	Not Listed	Not Listed	Not Listed	Not Listed
Proprietary Oil Soluble Polymer Blend Proprietary	Not Listed	Not Listed	Not Listed	Not Listed

SARA 311/312 Hazard Categories: Immediate (Acute) Health Effects - NO, Delayed (Chronic) Health Effects - NO.

State Regulations:

Component	California Prop. 65 Cancer list	California - Prop 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	Not Listed	Not Listed	Not Listed	Not Listed
Proprietary Oil Soluble Polymer Blend Proprietary	Not Listed	Not Listed	Not Listed	Not Listed

U.S. TSCA: One or more components of this product is not listed on the TSCA Inventory.
Canadian Inventory: One or more components of this product is not listed on the Canadian DSL or NDSL Inventory.

16. OTHER INFORMATION

General Notes:
Disclaimer:

Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system. The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.