



CYCLO[®] INDUSTRIES, INC

MATERIAL SAFETY DATA SHEET

This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this product. Please read the information on these sheets and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL, STATE and COMMUNITY RIGHT TO KNOW regulations. Also, make this information available to any employee who requests it.

If Cyclo Industries, Inc. considers the formula of this product to be a trade secret, the exact chemical names of the ingredient(s) and the percentages in which they are combined will not appear in the body of this sheet. The exact composition is available upon request to physicians, industrial hygienists and other health professionals.

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cyclo[®] Anti-Aging Ultimate Diesel Fuel System Cleaner, Stock No. C-2215

Product Use: Thoroughly cleans injectors, valves and manifolds restoring maximum power. Reduces emissions. No alcohol. Removes water.

Manufactured by: Cyclo Industries, Inc. ,401 Maplewood Drive, Suite 18, Jupiter, FL 33458
Telephone: (561) 775-9600

First Aid Emergency: (800) 752-7869 or (312) 906-6194

Shipping Emergency: (800) 424-9300 or (703) 527-3887 (CHEMTREC)

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Limits
64742-94-5	Petroleum distillates	65 – 85	100 ppm = ACGIH TLV
84605-20-9	Amines	0.1 – 5	Not established
64742-94-5	Heavy aromatic solvent – petroleum naphtha	0.1 – 1	Not established
111-76-2	Ethylene glycol monobutyl ether	0.1 – 3	25 ppm Skin TWA – OSHA/ACGIH
Confidential	Oxidized light distillate	0.1 – 3	Not established

SECTION 3 - HAZARDS IDENTIFICATION

Effects of Overexposure:

Ingestion: Minimal toxicity. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

Inhalation: Negligible hazard at ambient temperatures (-18° to 38°C). High vapor concentrations (greater than approximately 1000 ppm) are irritating to the eyes and the respiratory tract and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects, including death. Avoid breathing vapor or mists.

Skin Contact: Low order of toxicity. Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition.

Eye Contact: Irritating and will injure eye tissue if not removed promptly.

Carcinogenicity: NTP Carcinogen = No; IARC Monographs = No; OSHA Regulated = No

SECTION 4 - FIRST AID MEASURES

First Aid Procedures:

Ingestion: DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt medical attention. DO NOT attempt to give anything by mouth to an unconscious person.

Skin Contact: Immediately flush with large amounts of water; use soap if available. Remove contaminated clothing, including shoes, after flushing has begun. If irritation persists, seek medical attention.

Inhalation: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes. Get prompt medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 140°F (60.5°C)

Method Used: PMCC

Flammable Limits in Air by Volume: Lower limit = 0.6

Upper limit = 7.0

Autoignition Temperature: 842°F

Extinguishing Media: Foam, dry chemical or water spray.

Special Fire Fighting Procedures: Use water spray to cool fire exposed surfaces and to protect personnel. Isolate “fuel” supply from fire. Respiratory and eye protection required for fire fighting personnel. Avoid spraying water directly into storage containers due to danger of boilover. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

Unusual Fire and Explosion Hazards: Combustible fluids can form combustible mixtures at temperatures at or above the flashpoint. Toxic gases will form upon combustion. “Empty” containers retain product residue (liquid and vapor) and can be dangerous.

HMIS Code: Health = 1 Flammability = 2 Reactivity = 0

NFPA Rating: Health = 1 Flammability = 2 Reactivity = 0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures:

Land Spill: Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills, implement clean up procedure; for large spills implement clean up procedures and, if in public area, keep public away and advise authorities including the National Response Center. Prevent liquid from entering sewers, watercourses or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust. Recover by pumping (use and explosion proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up.

Water Spill: Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. Remove from surface by skimming or with suitable absorbent. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters.

SECTION 7 - HANDLING AND STORAGE

Handling & Storage Procedures: Keep container closed when not in use. Handle and open containers with care. Store in a cool, well-ventilated place away from incompatible materials. DO NOT handle or store near an open flame, heat or other ignition sources. Protect material from direct sunlight. See product label for additional information. KEEP OUT OF THE REACH OF CHILDREN.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Where overexposure by inhalation may occur and engineering, work practice or other means of exposure reduction are not adequate, approved respirators may be necessary.

Ventilation: Should be provided to control worker exposures and prevent health risk.

Skin Protection: Where contact is likely, wear long sleeves and chemical resistant gloves.

Eye Protection: Safety glasses with splash guards or full face shield is recommended.

Work/Hygienic Practices: Eye washes and safety showers in the workplace are recommended.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: >340°F (>171°C)

Specific Gravity (H₂O=1): 0.91 @ 60°F, typical

Vapor Pressure (mm Hg): 3 @ 100°F

Solubility in Water: Negligible

Appearance and Odor: Amber, clear liquid with amine, aromatic odor

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Temperatures above 212°F (100°C). Unstable at temperatures above 212°F (100°C).

Incompatibility (materials to avoid): Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Fumes, smoke, oxides of nitrogen and carbon monoxide.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological Data: This product contains vinyl acetate monomer. No carcinogenic effects were observed in long-term drinking water studies in rats. Long-term inhalation of this chemical at air concentrations of 660 ppm produced nasal tumors in rats. Mice exposed under the same conditions were not affected.

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic/Terrestrial Toxicity Environmental Fate No data is available at this time.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method: 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.

SECTION 14 - TRANSPORT INFORMATION

U.S. DOT -	Shipping Description:	Consumer Commodity ORM-D
	ID Number:	Not applicable
	Hazard Class:	ORM-D
	Packing Group:	Not applicable
	Label:	Not applicable
	Placards:	Not applicable
IMDG -	Shipping Description:	Flammable Liquid, N.O.S. (Contains Petroleum distillates), Ltd. Qty.
	ID Number:	1993
	Hazard Class:	3
	Packing Group:	III
	Label:	Not applicable
	Markings:	Not applicable
	Placards:	Not applicable

SECTION 15 - REGULATORY INFORMATION

TSCA Inventory: All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory of chemical substances maintained by the U.S. Environmental Protection Agency.

SARA Extremely Hazardous Substances None

SARA Section 313 This product does not contain the any toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313 – Toxic Chemical Release Reporting)

CERCLA/Superfund (RQ): This product is not subject to CERC LA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

Consumer Product Safety Act General Conformity Certification: This product is evaluated by Cyclo Industries, Inc., and is certified to be in compliance with the provisions of the Consumer Product Safety Act, the Federal hazardous Substances Act and the Poison Prevention Packaging Act, as applicable. This product was manufactured by Cyclo Industries, Inc. listed in Section I of this MSDS. The date of manufacture is stamped on the product container. No testing is required to certify compliance with the above.

SECTION 16 - OTHER INFORMATION

Document Date: 1/06/09

Supersedes: 11/04/08

Revisions: 11/4/08: Review

1/06/09: Consumer Product Safety Act added

Cyclo Industries, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose. Cyclo Industries, Inc. makes no representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, Cyclo Industries, Inc. will not be responsible for damages resulting from use of or reliance upon this information.