

SAFETY DATA SHEET (SDS)

Compliant with OSHA 29 CFR 1910.1200, Regulation (EC) No 1272/2008 (CLP), and GHS Standards.

Product: Cataclean | Revision Date: 2026-02-18 | Version: 1.1 (Secure)

1. IDENTIFICATION

Product Name	Cataclean (Fuel & Exhaust System Cleaner)
Synonyms	Catalytic Converter Cleaner, Fuel Additive, Exhaust Cleaner
Recommended Use	Fuel additive for cleaning catalytic converters, oxygen sensors, and fuel systems. <i>Industrial & Consumer Use.</i>
Supplier Details	Alkemist Pakistan Middle East RAIL BAZAR NEAR CHEMA MEDICAL STORE CITY HAFIZABAD - PAKISTAN WhatsApp: +923152372222 Email: admin@alkemist.org
Emergency Phone	CHEMTREC (USA): 1-800-424-9300 International: +1 703-527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

- **Flammable Liquids:** Category 2
- **Skin Corrosion/Irritation:** Category 2
- **Eye Irritation:** Category 2A
- **Aspiration Hazard:** Category 1
- **STOT - Single Exposure:** Category 3 (Narcotic Effects)
- **STOT - Repeated Exposure:** Category 2 (Organs)

LABEL ELEMENTS



DANGER

Hazard Statements:

- H225:** Highly flammable liquid and vapor.
- H304:** May be fatal if swallowed and enters airways.
- H315:** Causes skin irritation.
- H319:** Causes serious eye irritation.
- H336:** May cause drowsiness or dizziness.

Precautionary Statements:

- P210: Keep away from heat, sparks, open flames. No smoking.
- P261: Avoid breathing vapors/mist.
- P280: Wear protective gloves/eye protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
Xylene (Mixed Isomers)	1330-20-7	30 - 60%
Proprietary Oxygenated Solvent Blend	Trade Secret*	20 - 40%
Hydrotreated Light Distillates (Petroleum)	64742-47-8	10 - 20%
Proprietary Performance Additive	Trade Secret*	1 - 5%

*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

- **General Advice:** Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor.
- **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately. Vapors may cause drowsiness.
- **Skin Contact:** Wash off immediately with soap and plenty of water. Remove contaminated clothing. If irritation persists, seek medical attention. Defatting of skin possible.
- **Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses. Consult a physician immediately.
- **Ingestion: Do NOT induce vomiting.** Aspiration hazard! If vomiting occurs, keep head low. Call a physician or poison control center immediately.

5. FIREFIGHTING MEASURES

- **Suitable Extinguishing Media:** Dry chemical, Carbon dioxide (CO₂), Alcohol-resistant foam. Do NOT use solid water stream.
- **Specific Hazards:** Highly Flammable. Vapors are heavier than air and may travel to ignition source and flash back. Containers may explode when heated.
- **Firefighting Gear:** Wear self-contained breathing apparatus (SCBA) and full protective gear. Cool closed containers exposed to fire with water spray.

6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Avoid breathing vapors. Evacuate personnel.
- **Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains or groundwater.
- **Methods for Cleaning Up:** Contain spillage, then collect with non-combustible absorbent material (sand, earth) and place in container for disposal. Use non-sparking tools.

7. HANDLING AND STORAGE

- **Handling:** Avoid contact with skin and eyes. Avoid inhalation of vapor. Keep away from heat/sparks/open flames. No smoking. Ground/bond containers. Use explosion-proof equipment.
- **Storage:** Keep container tightly closed in a dry, cool, and well-ventilated place. Store locked up. Keep away from oxidizers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Agency	Limit (TWA)	Limit (STEL)
Xylene	ACGIH TLV	100 ppm	150 ppm
Proprietary Solvents	ACGIH TLV	200 - 400 ppm	-

Engineering Controls: Use explosion-proof ventilation equipment. Ensure safety showers and eyewash stations are available.

Personal Protective Equipment (PPE):

- **Eyes:** Chemical splash goggles.
- **Skin:** Solvent-resistant gloves (e.g., Nitrile, Viton). Wear anti-static protective clothing.
- **Respiratory:** If exposure limits are exceeded, use NIOSH-approved organic vapor respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless liquid	Odor: Solvent / Aromatic
pH: N/A	Flash Point: < 23°C (Highly Flammable)
Boiling Point: > 56°C	Melting Point: N/A
Evaporation Rate: Fast	Flammability: Highly Flammable
Vapor Pressure: High	Density: 0.80 - 0.88 g/cm ³
Solubility: Partially soluble in water	Auto-ignition: > 400°C

10. STABILITY AND REACTIVITY

- **Reactivity:** Stable under normal conditions.
- **Chemical Stability:** Stable.
- **Conditions to Avoid:** Heat, flames, sparks. Static discharge. Direct sunlight.
- **Incompatible Materials:** Strong oxidizing agents, Acids, Alkalis, Plastics/Rubber (may soften).
- **Hazardous Decomposition:** Carbon monoxide, Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Skin, Eyes, Ingestion.

- **Inhalation:** Vapors may cause drowsiness, dizziness, headache, nausea. High concentrations may cause CNS depression.
- **Skin Corrosion:** Causes skin irritation. Repeated exposure causes dryness/cracking.
- **Eye Damage:** Causes serious eye irritation (Oxygenates).
- **Aspiration Hazard:** May be fatal if swallowed and enters airways (Distillates/Xylene).
- **Chronic Toxicity:** Xylene may cause damage to organs (Liver, Kidney, Ears) through prolonged exposure.

12. ECOLOGICAL INFORMATION


- **Ecotoxicity:** Toxic to aquatic life with long lasting effects (due to Xylene/Distillates).
- **Persistence:** Components are biodegradable but volatile.
- **Bioaccumulation:** Potential for bioaccumulation is low to moderate.
- **Mobility:** Highly mobile in soil. Evaporates rapidly.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations. Hazardous waste (Ignitable, Toxic). Do not flush into sewer. Incineration recommended.



14. TRANSPORT INFORMATION

Parameter	Description
UN Number	UN1993
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Contains Xylene, Oxygenated Solvents)
Hazard Class	3 (Flammable Liquid)
Packing Group	II
Labels Required	Flammable Liquid 

15. REGULATORY INFORMATION

- **TSCA (USA):** All ingredients listed.
- **SARA 313:** Xylene (Mixed Isomers) is subject to reporting.
- **CERCLA RQ:** Xylene (100 lbs).
- **Trade Secret:** Specific chemical identities withheld as trade secret.
- **California Prop 65:** This product may contain trace chemicals known to the State of California to cause cancer (e.g., Ethylbenzene in Xylene).

16. OTHER INFORMATION

HMIS: Health: 2* | Flammability: 3 | Reactivity: 0

NFPA: Health: 2 | Fire: 3 | Instability: 0

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. It is intended only as guidance for safe handling and is not a warranty. Alkemist Pakistan | Middle East assumes no liability for the use of this product.

