

MATERIAL SAFETY DATA SHEET

Trade Name: Autoguard Carburetor Cleaner
MSDS NO. 701151
Revision Date: 03/26/2002
Date Printed 05/28/2004

Trade Name: Autoguard Carburetor Cleaner MSDS NO. 701151

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Autoguard Carburetor Cleaner
Chemical Family: Non-Chlorinated Hydrocarbon
Synonyms: None
Emergency Telephone (24 hr.): 24-Hour Emergency Information: CHEMTREC (800) 424-9300

Supplier: Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient/CAS No. | wt. % | OSHA PEL TWA | OSHA PEL Ceiling Limits | ACGIH TLV TWA | ACGIH TLV STEL |
|----------------------------|-------|--|----------------------------|------------------|-------------------|
| Acetone 67-64-1 | 45-55 | 1000 ppm | 750 ppm | 500 ppm | 750 ppm |
| Toluene 108-88-3 | 20-30 | 100 ppm | 150 ppm | 100 ppm | 150 ppm |
| Methyl Alcohol 67-56-1 | 10-20 | 200 ppm | Not Known | 200 ppm | 250 ppm |
| Carbon Dioxide 124-38-9 | 5-15 | 5000 ppm (exposures <10,000 ppm to be cited de minimus) | Not Known | 5000 ppm | 30,000 ppm |

This product does not contain Normal Hexane (N-Hexane).

3. HAZARDS IDENTIFICATION

Emergency Overview: Danger: Poison. Extremely Flammable. Content under pressure. Ingestion of even small amounts of methanol can cause blindness and death. This material is an eye and skin irritant. Harmful if absorbed through the skin. Keep away from heat, sparks and flame. Gross inhalation overexposure may cause: respiratory track irritation, kidney damage, blood, liver damage, lung damage and central nervous system depression.

HMIS Classification: Health: *2 Flammability: 3 Physical Hazard: 2
NFPA Rating: Health: 2 Flammability: 3 Reactivity: 0

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion: If swallowed, do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration.
Inhalation: 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.
Skin Contact: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and shoes, and launder before reuse.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point °F(°C): -4 F (Lowest Component)
Flash Point Method: Not Determined
Flammable Limits in Air - Lower (%): 1.2% (Lowest Component)
Flammable Limits in Air - Upper (%): 7.1% (Lowest Component)
Autoignition Temperature °F(°C): 725 F (Lowest Component)
Extinguishing Media: Water. Dry chemical. Carbon dioxide. Alcohol foam. Use water spray to keep containers cool that are

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exposed to heat or flames.

Protection Of Fire-Fighters:

Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Vapor may cause flash fire.

Hazardous Combustion Products: Carbon Dioxide. Carbon Monoxide. Formaldehyde. Formic Acid.

Aerosol Comments: NFPA Level 2 Aerosol

6. ACCIDENTAL RELEASE MEASURES

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

Spill Procedures: Contain any liquid from leaking containers. Avoid all sources of ignition; heat, sparks and open flames. Do not puncture or incinerate container. Contents under pressure. Wear proper protective equipment as specified in the protective equipment section. Remove sources of ignition. Leaking containers should be removed to an isolated, well-ventilated area and transferred to other suitable containers. Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal. Persons not trained should evacuate area.

Environmental Precautions: Do not allow to enter sanitary drains, sewer or surface and subsurface waters. Keep out of lakes, ponds or streams.

7. HANDLING AND STORAGE

Handling and Storage: Caution: Contents under pressure. Keep away from heat and open flame. Use only in a well ventilated area. Ground and bond containers when transferring material. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Do not puncture, incinerate or store above 120 F. Exposure to high temperatures may cause bursting. DO NOT store in the passenger compartment of an automobile.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use in a well ventilated area. Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Use explosion proof equipment. Eyewash stations. Showers.

Eyes: Chemical goggles; also wear a face shield if splashing hazard exists.

Skin Protection: Avoid skin contact. Wear protective clothing and gloves.

Respiratory Protection: Do not breath mist or vapor. 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: Clear colorless liquid.

Odor: MILD

Vapor Pressure: Not Determined

Boiling Point (°F): 133 F (Lowest Component)

Solubility in Water: 75%

Molecular Weight: Mixture

Viscosity: Not Determined.

VOC Content(%): 45

pH Value: Not Determined

Vapor Density (Air=1): Approximately 2.0

Melting/Freezing Point: < -110 F.

Bulk Density at 20°C: Not Determined

Evaporation Rate: Not Determined

Specific Gravity (H20=1): .82

Decomposition Temperature: Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of handling, use and transportation.

Conditions to Avoid: Keep away from heat, sparks and flame. Avoid any source of ignition. Do not expose to heat or store at temperatures above 120 F.

Materials to Avoid: Strong oxidizers. Chromic Anhydride. Phosphorous Trioxide. Lead Perchlorate. Perchloric Acid and Ethyl Alcohol. Iodine. Mercuric Oxide and Ethyl Alcohol. Sodium or Potassium Hydroxide and Chloroform. Nitric acid. Sulfuric Acid. Alkalies. Chlorine compounds. Potassium t-butoxide. Certain reactive metals, hydrides, moist cesium monoxide, or lithium acetylene carbide diamino may ignite. Passing carbon dioxide over a mixture of sodium peroxide and aluminum or magnesium may explode.

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Formaldehyde. Formic acid.

Hazardous Polymerization: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

| Ingredient/CAS No. | wt. % | Route | Species | Dose |
|--------------------|-------|------------|---------|---------------------|
| Acetone 67-64-1 | 45-55 | Inhalation | Rats | LC50 50100 mg/m3/8H |

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| | | | | | |
|--------------------|------------------------------|-----------------|--------|------|-------------|
| Trade Name: | Autoguard Carburetor Cleaner | MSDS NO. | 701151 | | |
| Toluene | 20-30 | Inhalation | Rats | LC50 | 49 gm/m3/4H |
| 108-88-3 | | | | | |
| Methyl Alcohol | 10-20 | Inhalation | Rats | LC50 | 64,000 ppm |
| 67-56-1 | | | | | |
| Carbon Dioxide | 5-15 | NA | NA | | Not known. |
| 124-38-9 | | | | | |

Carcinogenicity:

| Ingredient/CAS No. | wt. % | IARC | NTP | OSHA |
|----------------------------|-------|----------------------------|------------|------------|
| Acetone 67-64-1 | 45-55 | Not Listed | Not Listed | Not Listed |
| Toluene 108-88-3 | 20-30 | Group 3 (not classifiable) | Not Listed | Not Listed |
| Methyl Alcohol 67-56-1 | 10-20 | Not Listed | Not Listed | Not Listed |
| Carbon Dioxide 124-38-9 | 5-15 | Not Listed | Not Listed | Not Listed |

12. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

13. DISPOSAL CONSIDERATION

Waste Classification: Residues and spilled material are hazardous waste due to ignitability.

Waste Management: Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts.

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

U.S. DOT:

Proper Shipping Name: ORM-D CONSUMER COMMODITY
Hazard Class: ORM-D
UN/NA Number: Not Applicable
DOT Packing Group: Not Applicable

IMDG:

Proper Shipping Name: Aerosols (Limited Quantity)
Hazard Class: 2.1
Hazard Subclass: Not determined.
UN No.: UN1950
Packing Group: Not Applicable.
Marine Pollutant: No

15. REGULATORY INFORMATION

US Federal Regulations:

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| Ingredient/CAS No. | wt. % | SARA 313 | SARA 302 | RQ | TPQ |
|----------------------------|-------|------------|------------|-----------|-----|
| Acetone 67-64-1 | 45-55 | Not Listed | Not Listed | NA | NA |
| Toluene 108-88-3 | 20-30 | Listed | Not Listed | 1000 lbs. | NA |
| Methyl Alcohol 67-56-1 | 10-20 | Listed | Not Listed | 5000 lb | NA |
| Carbon Dioxide 124-38-9 | 5-15 | Not Listed | Not Listed | NA | NA |

Hazardous per OSHA 29 CFR 1910.1200

SARA 311/312 Hazard Categories: Not Determined.

State Regulations:

| Ingredient/CAS No. | wt. % | California Prop. 65 Cancer list | California Prop. 65 Developmental Toxicity | California Prop. 65 Reproductive Female | California Prop. 65 Reproductive Male |
|----------------------------|-------|------------------------------------|--|--|--|
| Acetone 67-64-1 | 45-55 | Not Listed | Not Listed | Not Listed | Not Listed |
| Toluene 108-88-3 | 20-30 | Not Listed | Listed, Developmental toxicity:initial date 1/1/91 | Not Listed | Not Listed |
| Methyl Alcohol 67-56-1 | 10-20 | Not Listed | Not Listed | Not Listed | Not Listed |
| Carbon Dioxide 124-38-9 | 5-15 | Not Listed | Not Listed | Not Listed | Not Listed |

U.S. TSCA: The components of this product are listed on the TSCA Inventory.

16. OTHER INFORMATION

General Notes: Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

Disclaimer:

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.