

MATERIAL SAFETY DATA SHEET

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **CAP** 24 Hour Emergency CHEMTREC Number: 800-424-9300

Product Description: Automotive battery cleaner and protector. MSDS Number: M00215

2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Hazardous Ingredients</u> | <u>CAS Number</u> | <u>Weight</u> | <u>ACGIH</u> | <u>OSHA</u> |
|------------------------------|-------------------|---------------|-----------------|-----------------|
| Propane | 74-98-6 | < 15% | 2500 ppm | 1000 ppm |
| Butane | 106-97-8 | < 15% | 800 ppm | 800 ppm |
| Petrolatum | 8009-03-8 | < 37% | 5 mg/m3 as mist | 5 mg/m3 as mist |
| Ethylbenzene | 100-41-4 | < 10% | 100 ppm | 100 ppm |
| Xylene | 1330-20-7 | < 35% | 100 ppm | 100 ppm |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Extremely flammable. Contents under pressure. Do not puncture, incinerate or expose to temperature above 120°F. Eye, skin and respiratory irritant. Vapor harmful.

POTENTIAL HEALTH EFFECTS Routes of Exposure: Exposure may be by inhalation and/or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation and personal protective equipment. Eye Contact: May cause eye irritation. Redness and itching or burning sensation may indicate overexposure. Skin Contact: May cause skin irritation. Redness and itching or burning sensation may indicate overexposure. Ingestion: Harmful or fatal if swallowed. May cause vomiting. Inhalation: May cause irritation of the respiratory tract. Headache, dizziness, nausea and loss of coordination are indications of excessive exposure to vapors or spray mists. Extreme overexposure may result in unconsciousness and possibly death. General: Deliberately concentrating and inhaling the vapor of the contents may be harmful or fatal. May aggravate existing lung and skin conditions. Prolonged exposure to solvent ingredients may cause adverse effects to the liver, urinary and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

4. FIRST AID MEASURES

Eye Contact: Promptly flush with a large amount of water for at least 15 minutes. If irritation persists, consult a physician. Skin Contact: Promptly wash with soap and water and rinse thoroughly. Remove contaminated clothing and launder before reuse. If irritation persists, consult a physician. Inhalation: Remove to fresh air. Restore breathing if necessary. If irritation persists, consult a physician. Ingestion: Do not induce vomiting. Never give anything to an unconscious person. Contact a physician immediately.

5. FIRE FIGHTING MEASURES

Flash Point: Propellant < 0°F Lower Explosive Limit(LEL): 1.0 Upper Explosive Limit(UEL): 9.5 Autoignition Temperature: NA Flammable Properties: Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. Heated cans may burst. Extinguishing Media: Foam, Carbon Dioxide, dry chemical. Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area and remove with inert absorbent. Dispose of in accordance with all Federal, State and Local Regulations regarding waste disposal. Product as supplied is a D001 unspecified ignitable waste.

7. HANDLING AND STORAGE

Keep away from heat, flames, sparks or other sources of ignition. Vapors will accumulate readily and may ignite explosively. Keep area ventilated. Do not smoke. Extinguish all flames, pilot lights and heaters. Turn off stoves, Consult NFPA Code. Use approved bonding and grounding procedures. Contents under pressure. Do not puncture, incinerate or expose to temperature above 120°F(49°C). Heat from sunlight, radiators, stoves, hot water and other heat sources could cause container to burst. Do not take internally. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Keep out of reach of children. Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using. When spraying more than one half can continuously or more than one can consecutively, use NIOSH-approved respirator.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Local exhaust preferable. General exhaust acceptable if the exposure to materials is maintained below applicable exposure limits. Personal Protective Equipment: Respiratory: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted NIOSH-approved organic vapor/particulate respirator. Eye: Wear approved safety glasses or goggles with unperforated sideshields. Skin: None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemically resistant gloves. Wear long sleeves and long pants. Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Purple. Odor: Slight. Physical State: Liquid aerosol. Product Weight: 6.18 lb/gal; 740 g/l. Specific Gravity (Water = 1): 0.74 Boiling Point: < 0 - 651°F; <-18 - 343°C
Vapor Density (Air = 1): Heavier than Air. Solubility in Water: NA Evaporation Rate: Faster than Ether.
VOC Content: 64.78%

10. STABILITY AND REACTIVITY

Stability: Stable. Hazardous Polymerization: Will not occur. Conditions to Avoid: Heat, sparks, flames or other sources of ignition. Vapors will accumulate readily and may ignite explosively. Incompatibility: None expected. Hazardous Decomposition Products: By fire: Carbon Dioxide, Carbon Monoxide.

11. TOXICOLOGICAL INFORMATION

IARC / NTP / OSHA: This product contains no ingredients at 0.1% or greater that is listed as a human carcinogen.

| <u>Hazardous Ingredients</u> | <u>CAS Number</u> | <u>LD50</u> | <u>LC50</u> |
|------------------------------|-------------------|-----------------------|-----------------------------------|
| Propane | 74-98-6 | NE | NE |
| Butane | 106-97-8 | NE | 658 mg/l/4 hr (rat) |
| Petrolatum | 8009-03-8 | NE | NE |
| Ethylbenzene | 100-41-4 | 3500 mg/kg (oral rat) | 12.1 mg/l/96 hr (flathead minnow) |
| Xylene | 1330-20-7 | 4.3 g/kg (oral rat) | 6350 ppm/4 hr (rat) |

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATIONS

Do not incinerate. Depressurize container. Dispose of in accordance with all Federal, State and Local Regulations regarding pollution and waste disposal. Product as supplied is a D001 unspecified ignitable waste.

14. TRANSPORT INFORMATION

DOT Shipping Data: Consumer Commodity, ORM-D. Canadian TDG: Shipped in accordance with 49 CFR as part of a transborder shipment authorized under Section 5.2 (1) of the Canadian Transportation of Dangerous Goods. For International and Air Shipments: Aerosols, Flammable, 2.1, UN1950.

15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory. CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDL. Proposition 65: This product contains the following chemicals that are known to the state of California to cause cancer, birth defects or other reproductive harm: Ethylbenzene 100-41-4 6% VOC Content: 64.78% VOC. Product category not currently VOC regulated. SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372): Ethylbenzene 100-41-4 6% Xylene 1330-20-7 34% HMIS RATING: HEALTH = 2 FLAMMABILITY = 4 REACTIVITY = 0 PPE = B WHMIS RATING: Class A; Class B, Division 5; Class D, Division 2B

16. OTHER INFORMATION

NA = Not Available or Not Applicable NE = Not Established

Read and follow all label directions and precautions before using the product. This product is intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

HEALTH AND SAFETY INFORMATION: (216) 861-7114

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