232554

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION

NFPA Rating: Health-2; Flammability-3; Reactivity-0; Special--**None**	**HMIS Rating:** Health-2; Flammability-3; Reactivity-0; Personal Protection-B
Manufacturerd By: **Amrep Automotive Products Group** Address: 2910 West Beaver Street Jacksonville, Florida 32254	**DOT Description:** Consumer Commodity ORM-D **Identity** (trade name as used on label): AUTO ZONE BRAKE CLEANER AZP-10
Date Prepared: 6/12/04 Prepared By: LMA	MSDS Number: 501701684 Revision: 0
Information Calls: (904) 388-5732 **DOT EMERGENCY RESPONSE PHONE NUMBER: (800) 424-9300**	NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
TOLUENE	108-88-3	Yes	200	50 (skin)	d
HEPTANE	142-82-5	No	500	400	d
CARBON DIOXIDE (propellant)	124-38-9	No	5000	5000	d
WARNING: This product contains a chemical or chemicals known to the State of California to cause birth defects or other reproductive harm.					

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 200-232°F (range for the concentrate)	**Specific Gravity** (H2O = 1): 0.82 (for the concentrate only)
Vapor Pressure (PSIG @ 70°F) (Aerosols): 85-100	**Vapor Pressure** (Non-Aerosols) (mm Hg and Temperature): N/Ap
Vapor Density (Air = 1): N/E	**Evaporation Rate** (butyl Acetate = 1): N/E
Solubility in Water: Partial	**Water Reactive:** No
Appearance and Odor: Clear, colorless with strong solvent odor.	**VOC (Federal EPA Definition) = 94.62% (by weight)**

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flammability as per USA Flame Projection Test (aerosols): **EXTREMELY FLAMMABLE**	Auto Ignition Temperature: N/E	Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E

FLASH POINT AND METHOD USED (non-aerosols): N/Ap **SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus.	**EXTINGUISHER MEDIA:** Foam, dry chemical; use water spray to cool exposed surfaces.

Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 120°F or the container may rupture. Vapors are heavier than and may accumulate in low or inadequately ventilated areas. Vapors may travel along the ground to be ignited at locations distant fron handling site. Flashback or flame to the handling site may occur.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [ ] UNSTABLE	**HAZARDOUS POLYMERIZATION** [ ] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Acids and strong oxidizers.	**Conditions to Avoid:** Open flame, welding arcs, heat, sparks.

Hazardous Decomposition Products: Includes, but not limited to smoke, fumes, carbon monoxide, carbon dioxide.

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [X] INHALATION [ ] INGESTION [X] SKIN ABSORPTION [X] EYE [ ] NOT HAZARDOUS

ACUTE EFFECTS:

Inhalation: May cause headache, dizziness, asphyxia, anesthetic effects (CNS depression), unconsciousness, brain damage, and possibly death.

Eye Contact: May cause irritation	**Skin Contact:** May irritate and/or cause dermatitis.

Ingestion: Nausea, vomiting, and diarrhea; possible chemical pneumonitis or mild to severe pulmonary injury if aspirated into lungs.

CHRONIC EFFECTS: Concentrated, prolonged or deliberate inhalation may cause brain and CNS damage, and adverse fetal developmental effects. Chronic overexposure has been suggested as a cause of mild reversible kidney effects and/or CNS damage in laboratory animals.

Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin or upper respiratory conditions.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water for at least 15 minutes. If irritated, seek medical attention.

Skin Contact: Remove contaminated clothing; launder before re-use. Wash skin with soap and water; if irritated, seek medical attention.

Inhalation: Remove to fresh air; resuscitate if necessary. Administer oxygen if breathing is difficult. Seek medical attention.

Ingestion: DO NOT INDUCE VOMITING. Seek immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by MSHA/NIOSH for organic vapor.

Protective Gloves: Disposable nitrile gloves are suggested.	**Eye Protection:** Safety glasses recommended.

Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.

Other Protective Clothing & Equipment: Eyewash station; explosion proof local exhaust if conditions of use allow vapors to accumulate.

Hygienic Work Practices: Do not eat, drink or smoke in work areas. Wash hands after handling.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Absorb spilled liquid with suitable medium. Do NOT flush to sewers or drains. Dispose according to local, state and federal regulations.

Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 120°F.

Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read and follow all label directions. Remove ignition sources. Avoid breathing vapors. Avoid food contamination.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only