

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-1; Flammability-3; Reactivity-0; Special--None			HMIS Rating: Health-1; Flammability-3; Reactivity-0; Personal Protection-B			
Manufacturer 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—LOW VOC AZP-10CA			
Date Prepared: 6/12/04		Prepared By: LMA		MSDS Number: 501701732		
Information Calls: (904) 388-5732			Revision: 0			
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 **
ACETONE		67-64-1	No	1000	500	d
HEPTANE		142-82-5	No	500	400	d
CARBON DIOXIDE (propellant)		124-38-9	No	5000	5000	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 133-232°F (range for the concentrate)			Specific Gravity (H ₂ O = 1): 0.72 (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) = 44.36% (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			EXTINGUISHER MEDIA: Foam, dry chemical; use water spray to cool exposed surfaces.			
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.						
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 from handling site. Flashback or flame to the handling site may occur.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE			HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> 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: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> 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: Chronic overexposure has been suggested as a cause of mild reversible liver and/or kidney effects and central nervous system 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