

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-1; Reactivity-0; Special--None		HMIS Rating: Health-2; Flammability-1; Reactivity-0; Personal Protection-B	
Manufactured By: Amrep Automotive Products Group Address: 990 Industrial Park Dr. Marietta, GA 30062		DOT Description: Consumer Commodity ORM-D Identity (trade name as used on label): <p style="text-align: center;">SUBARU BRAKE CLEANER Part #SOA868V9100</p>	
Date Prepared: 4/17/03		Prepared By: LMA	
Information Calls: (770) 422-2071		MSDS Number: AJ0264 / 503900265	
DOT EMERGENCY RESPONSE PHONE NUMBER: (800) 424-9300		Revision: 0	
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 **
METHYLENE CHLORIDE	75-09-2	Yes	25	50	a,b
PERCHLOROETHYLENE	127-18-4	Yes	25	25	a,b
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 cancer.					

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 104–250°F (range for the concentrate)	Specific Gravity (H₂O=1): 1.57 (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: Insoluble	Water Reactive: No
Appearance and Odor: Colorless with strong, pungent solvent odor.	VOC (Federal EPA Definition) = 0% (by weight)

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flammability as per USA Flame Projection Test (aerosols): NONFLAMMABLE (not categorized as 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.		

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 (materials 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, hydrogen chloride, and trace amounts of phosgene and chlorine.	

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), pulmonary changes, and possible unconsciousness. High levels may also cause cardiac arrhythmias. Alcohol consumed before or after exposure may increase adverse effects.	
Eye Contact: May cause moderate irritation that may be slow to heal; vapors may irritate eyes.	Skin Contact: May irritate and/or cause dermatitis.
Ingestion: May cause nausea, vomiting, diarrhea; possible chemical pneumonitis if aspirated into lungs. Single dose oral toxicity is considered to be low. If aspirated, may be rapidly absorbed through the lungs and result in injury to other body systems.	
CHRONIC EFFECTS: Excessive exposure to Methylene Chloride may cause elevated carboxyhemoglobin levels. Excessive exposure to Perchloroethylene may potentially increase sensitivity to epinephrine and increase myocardial irritability.	
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; seek immediate 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: Gloves impervious to hazardous ingredients.	Eye Protection: Safety glasses recommended.
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.	
Other Protective Clothing & Equipment: Eyewash station.	
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

THIS MSDS IS CURRENT AS OF October 21, 2009. The DATE PREPARED section is the original date assembled and remains current until a change is necessary.
 This is tracked internally at the manufacturer by these date codes and therefore must remain as the originating date.