

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-2; Reactivity-0; Special-None Manufacturer By: Amrep Automotive Products Group Address: 990 Industrial Park Drive Marietta, GA 30062 Date Prepared: 8/17/04 Prepared By: LMA Information Calls: (770) 422-2071 DOT EMERGENCY RESPONSE PHONE NUMBER: (800) 424-9300	HMS Rating: Health-1; Flammability-2; Reactivity-0; Personal Protection-B DOT Description: Consumer Commodity ORM-D Identity (trade name as used on label): <b style="text-align: center;">AUTO ZONE HD ENGINE DEGREASER MSDS Number: 501700469 Revision: 1 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 ***
AROMATIC PETROLEUM DISTILLATE	64742-94-5	Yes*	N/E	N/E	d
PETROLEUM DISTILLATE	8008-20-6	No	5mg/M3 as mineral oil mist	100mg/M3 (skin)	d
ALIPHATIC PETROLEUM DISTILLATE (Mfr. Recommends PEL=100 ppm)	64742-47-8	No	N/E	N/E	d
2-BUTOXYETHANOL	111-76-2	Yes**	50 (skin)	25 (skin)	d
NAPHTHENIC OIL	64742-52-5	No	5mg/M3 as mineral oil mist	5mg/M3 as mineral oil mist	d
CARBON DIOXIDE (propellant)	124-38-9	No	5000	5000	d
*Contains ~9% Naphthalene CAS#91-20-3					
**Glycol Ethers Category					

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS	
Boiling Point: 300-580°F (range for the concentrate)	Specific Gravity (H2O=1): 0.94 (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: Amber color; solvent odor.	VOC (Federal EPA Definition) = 4.85% (by weight)

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA		
Flammability as per USA Flame Projection Test (aerosols): NONFLAMMABLE	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, various hydrocarbons.	

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), and possible unconsciousness.	
Eye Contact: Irritation.	Skin Contact: May irritate and/or cause dermatitis.
Ingestion: Nausea, vomiting, and diarrhea; possible chemical pneumonitis if aspirated into lungs.	
CHRONIC EFFECTS: Chronic overexposure to 2-Butoxyethanol may cause mild, reversible liver and kidney effects and blood abnormalities.	
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.	
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