

# 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-B	HMIS Rating: Health-2; Flammability-3; Reactivity-0; Personal Protection-B
Manufacturer's Name: <b>AMREP, INC.</b> Address: 990 Industrial Park Drive Marietta, GA 30062	DOT Hazard Classification: ORM-D Identity (trade name as used on label): <b>MISTY BRAKE &amp; PARTS CLEANER EF</b>
Date Prepared: 10/22/04 Prepared By: TR	MSDS Number: A00732 Revision- 3
Information Calls: (770)422-2071	NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA
EMERGENCY RESPONSE NUMBER: 1(800)255-3924	

## 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 **
HEPTANE	142-82-5	No	500	400	d
ACETONE	67-64-1	No	1000	750	d
CARBON DIOXIDE	124-38-9	No	5000	5000	d

## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A	Specific Gravity (H2O=1): Concentrate Only = 0.728
Vapor Pressure: PSIG @ 70°F (Aerosols): 80-100	Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density (Air = 1): N/E	Evaporation Rate ( = 1): N/E
Solubility in Water:None	Water Reactive: No
Appearance and Odor: Clear forceful spray with aliphatic/ketone solvent odor.	

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) <b>EXTREMELY FLAMMABLE</b>	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/A	EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide.	
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.		
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°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 (Mat. to avoid): Strong oxidizing agents.	Conditions to Avoid: Open flame, welding arcs, heat, sparks.
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.	

## SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [ X ] INHALATION [ ] INGESTION [ X ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS	
ACUTE EFFECTS	
Inhalation: Excessive inhalation of vapors can cause nasal & respiratory irritation, dizziness, weakness, nausea, headache, possible unconsciousness or asphyxiation.	
Eye Contact: Slight irritation.	Skin Contact: Slight irritation due to defatting of skin.
Ingestion: Irritation.	
CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) Excessive inhalation may result in central nervous system effects.	
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 15 minutes. If irritated, seek medical attention.
Skin Contact: Wash with soap and water. If irritated, seek medical attention.
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.
Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH approved for organic vapor.	Eye Protection: Safety glasses recommended.
Protective Gloves: Neoprene	
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.	
Other Protective Clothing & Equipment: None	
Hygienic Work Practices: Wash with soap and water before handling food.	

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations. DO NOT FLUSH TO SEWER.
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 130°F.
Other Precautions &/or Special Hazards: <b>KEEP OUT OF REACH OF CHILDREN.</b> 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



## TECHNICAL DATA SHEET

### A00732 Brake and Parts Cleaner EF

Description: This highly active solvent blend provides maximum performance in a brake parts cleaner without the use of ozone depleters or chlorinated solvents. Powerful blasting spray easily removes brake fluid, grease, oily dirt and contaminants from linings, pads and drums, cylinders and springs without disassembling the brake unit. This special formula is also suitable for cleaning equipment, tools plus parts and meets or exceeds all current V.O.C. requirements.

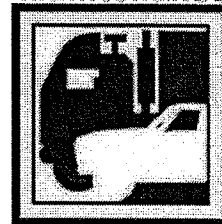
- Blasts Away Deposits
- No Chlorinated or Fluorinated Solvents
- No Fouled Waste Oil
- Removes Brake Fluid, Grease and Oil
- Contains No Lead, Phosphorous or Silicone
- Meets or Exceeds California & OTC VOC Limits

**General Directions:** See Example Label & MSDS for specific information regarding product usage.  
Always test in an inconspicuous area before general use.

<b>Market Info:</b>	Can Size & Net Weight	20oz/14oz
<b>Physical Properties:</b>	General Appearance	Spray
	Color	Clear
	Fragrance/Odor	Solvent
	Evaporation Rate (Water=1)	N/E
	Solubility In Water	None
	pH	N/A
	Specific Gravity (concentrate only)	0.728
	Spray Pattern	Stream
	Shelf Life	Minimum 1 yr
<b>Environmental Profile:</b>	2-Butoxyethanol (Butyl), E-Series or other Glycol Ethers	None
	% Phosphorus (elemental) (If < 0.5%, then express as PPM)	None
	Ozone Depleting Compounds	None
	Chlorinated Solvents, Fluorocarbons	None
	Works at room temperature	Yes
	Dibutyl Phthalate; NTA; EDTA; APE; NPE; DEA	None
	Acidic; Caustic; Alkaline; Corrosive; Reactive	No
	Contains heavy metals	No
	Recyclable Packaging	Yes
<b>Regulatory:</b>	% VOC (by weight)	44.3%
	Meets Current Consumer Products VOC Guidelines (CA, OTC & Federal)	Yes
	USA CPSC Flame Extension	Extremely Flammable
	NFPA Code 30B Storage Level	3
	HAPs (Hazardous Air Pollutants)	None
	CA Safe Drinking Water (PROP. 65) Ingredients	None
	Carcinogens, Mutagens, Teratogens (NTP, IARC, OSHA)	None
	SARA TITLE III, Sect. 313 Reportable	Yes
	DOT Hazard Classification	ORM-D

*Note: Additional unknown trace elements may alter results.*

### Auto & Fleet Maintenance



#### HMIS Rating

Health=2  
Flammability=3  
Reactivity=0  
Personal Protection=B

#### NFPA Rating

Health=2  
Flammability=3  
Reactivity=0

Manufactured by:



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02/05