

ACF19

MATERIAL SAFETY DATA SHEET

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

IDENTITY AND DISTRIBUTOR'S INFORMATION	
NFPA Rating: Health-1; Flammability-1; Reactivity-0; Special-0	HMIS Rating: Health-1; Flammability-1; Reactivity-0; Personal Protection-B
Manufactured For: Outland Engineering, Inc. Address: PMB 280 - 167 Cherry Street Milford, CT 06460 USA	DOT Hazard Classification: ORM-D Identity (trade name as used on label): A/C Safe Air Conditioner Cleaner AC- 920 FOAM COIL CLEANER
Phone: (203) 877-4145	MSDS Number: 181 Revision-6
Emergency Response Number: 1-800-225-3924 NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA	Date Prepared: 03/16/99 Prepared By: ES/CH Information Calls: (770) 422-2071

SECTION 1-MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source**
ISOBUTANE	75-28-5	NO	800	800	d
PROPANE	74-98-6	NO	1000	1000	d
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	NO	50	25	d

SECTION 2-PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A	Specific Gravity (H2O=1): Concentrate Only= 1.0
Vapor Pressure: PSIG @ 70 ^o F (Aerosols): Max .60	Vapor Pressure (Non-Aerosols) (mm Hg and Temperature): N/A
Vapor Density (Air =1): N/E	Evaporation Rate (H2O =1): N/E
Solubility in Water: Completely Soluble	Water Reactive: NO
Appearance and Odor: White foam with sweet fragrance.	

SECTION 3-FIRE AND EXPLOSION HAZARD DATA

Flammability as per USA Flame Projection Test (Aerosols) NON-FLAMMABLE	Auto Ignition Temperature N/E	Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E
FLASH POINT AND METHOD USE (Non-Aerosols): N/A SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.	EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide.	
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130 ^o 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 Oxidizers.	Conditions to Avoid: Open flame, welding arcs, heat.
Hazardous Decomposition Products: 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 type="checkbox"/> Eye <input type="checkbox"/> Not Hazardous	
ACUTE EFFECTS:	
Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.	
Ingestion: Possible chemical pneumonitis if aspirated into lungs. Nausea.	
Eye Contact: Irritation.	Skin Contact: Mild Irritation.
Chronic Effects: (Effects due to excessive exposure to the raw materials of this mixture) May cause diarrhea, vomiting, gastrointestinal irritation. Lab animals have experienced anemia, liver, kidney, lung, blood damage to Glycol Ether EB.	
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 in positive pressure mode.

Protective Gloves: Latex, if skin easily irritated.

Eye Protection: Safety glasses recommend.

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. Remove contaminated clothing.

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: KEEP OUT OF REACH OF CHILDREN! Avoid food contamination. Avoid breathing vapors.

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