

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-1; Reactivity-0; Special--None Manufacturer's Name: AMREP INC. Address: 990 Industrial Park Drive Marietta, GA 30062			HMIS Rating: Health-1; Flammability-1; Reactivity-0; Personal Protection-B DOT Description: Consumer Commodity ORM-D Identity (trade name as used on label): NEXT DIMENSION A/C INTAKE REFRESHER ND 240406			
Phone: 770-422-2071 Emergency Response Number: 1-800-255-3924 NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA			MSDS Number: AJ2404 Revision- first issue Date Prepared: 12/27/06 Prepared By: RC/IB Information Calls: (770)422-2071			
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 **
ISOPROPYL ALCOHOL		67-63-0	No	400	200	d
1,1 DIFLUOROETHANE		75-37-6	No	NE	NE	d
2-BIPHENYLOL		90-43-7	Yes	NE	NE	e
WARNING: This product contains a chemical or chemicals known to the State of California to cause cancer.						
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 180-212°F (range for the concentrate) Vapor Pressure (PSIG @ 70°F) (Aerosols): 70 Max. Vapor Density (Air = 1): N/E Solubility in Water: Partial Appearance and Odor: Colorless spray with alcohol-citrus odor.			Specific Gravity (H2O = 1): 0.95 (for the concentrate only) Vapor Pressure (Non-Aerosols) (mm Hg and Temperature): N/Ap Evaporation Rate (butyl Acetate = 1): N/E Water Reactive: No VOC (Federal EPA Definition) = 22.5% (by weight)			
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
Flammability as per USA Flame Projection Test (aerosols): extinguishes flame. 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 SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.			EXTINGUISHER MEDIA: Foam, dry chemical; use water spray to cool exposed surfaces.			
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE Incompatibility (materials to avoid): Acids and strong oxidizers.			HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR Conditions to Avoid: Open flame, welding arcs, heat, sparks.			
Hazardous Decomposition Products: Smoke, fumes, carbon monoxide, carbon dioxide, trace oxides of nitrogen, & various hydrocarbons.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS						
ACUTE EFFECTS: Inhalation: May cause headache, dizziness, asphyxia, anesthetic effects (CNS depression), and possible unconsciousness. Intentional and abusively excessive inhalation of propellant can result in asphyxia or death. Eye Contact: Irritant. Skin Contact: Irritant and may result in dermatitis with prolonged contact. Ingestion: Nausea, vomiting, and diarrhea; possible chemical pneumonitis if aspirated into lungs.						
CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) Abusive overexposure may cause kidney damage, liver abnormalities, brain damage. Animal data shows carcinogen effects from orthophenylphenol.						
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 irritation persists, seek medical attention.						
Skin Contact: Remove contaminated clothing; launder before re-use. Wash skin with soap and water. If irritation persists, 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

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IDENTITY AND MANUFACTURER'S INFORMATION

NFPA Rating: Health-1; Flammability-2; Reactivity-0; Special--None Manufactured By: Amrep Automotive Products Group Address: 990 Industrial Park Dr. Marietta, GA 30062	HMIS 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;">NEXT DIMENSION FOAMING EVAPORATOR CLEANER ND 40520
Date Prepared: 04/03/07 Prepared By: LMA / IB Information Calls: (770) 422-2071	MSDS Number: AJ0405 Revision: 1 NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA
DOT EMERGENCY RESPONSE PHONE NUMBER: (800) 424-9300	

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 **
ISOPROPYL ALCOHOL	67-63-0	No	400	200	d
ISOBUTANE/PROPANE BLEND (propellant)	75-28-5	No	800	800	d
	74-98-6	No	1000	1000	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 180-212°F (range for the concentrate)	Specific Gravity (H ₂ O = 1): 1.0 (for the concentrate only)
Vapor Pressure (PSIG @ 70°F) (Aerosols): 60 Max.	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: Colorless spray with slight ammonia odor.	VOC (Federal EPA Definition) = 9.2% (by weight)

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flammability as per USA Flame Projection Test (aerosols): <b style="text-align: center;">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 SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.	EXTINGUISHER MEDIA: Foam, dry chemical; use water spray to cool exposed surfaces.	
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 Incompatibility (materials to avoid): Acids and strong oxidizers.	HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR 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 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: (Effects due to excessive exposure to the raw materials of this mixture.) Overexposure may cause kidney damage, liver abnormalities, brain damage. 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 if needed.

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.
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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.

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