

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: **ARDROX 6333**
LOW FOAM CLEANER

ARDROX INC.
16961 Knott Avenue La Mirada, CA 90638
(714) 739-2821

CHEMTREC EMERGENCY TELEPHONE: 800-424-9300

EFFECTIVE DATE: 27 AUG 1993

I. HAZARDOUS INGREDIENTS:

COMPONENT(S):	WT %	EXPOSURE LIMITS TO AIR		
		CAS NO.	ACGIH TLV	OSHA PEL
Sodium Hydroxide	*	1310-73-2	2 mg/m ³ C	2 mg/m ³
Potassium Hydroxide	*	1310-58-3	2mg/m ³ C	2 mg/m ³ C
Dipropylene Glycol Methyl Ether	*	20324-32-7	100 ppm	100 ppm

*Not listed as toxic Chemical on SARA TITLE III; Section 313, Toxic Chemical List; therefore, disclosure of weight percent information is not required.

II. PHYSICAL DATA:

MELTING POINT: ND	SPECIFIC GRAVITY: Approx. 1.07
BOILING Point: >212°F	SOLUBILITY IN WATER: Complete
VAPOR PRESSURE (mm Hg): Of Product is 17 mmHg	EVAPORATION RATE(BuAc=1): Similar to water.
VOC is 12 gm/L	
VP of VOC is <1mmHg	
VAPOR DENSITY (Air=1): Similar to water.	PH: (Conc.):12.3
ODOR: Pine odor.	
APPEARANCE: Pale straw-colored, mobile liquid.	

III. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: >200°F
METHOD USED: P.M.C.C.

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AUTOIGNITION TEMPERATURE: ND
FLAMMABLE LIMITS: UPPER: ND LOWER: ND
EXTINGUISHING MEDIA: Non-combustible media appropriate for
surroundings.

FIRE AND EXPLOSION HAZARDS:
None anticipated under conditions of normal use.

SPECIAL FIRE FIGHTING PROCEDURES:
Wear full face respirator self-contained breathing apparatus. Use water to keep fire-exposed containers cool and to flush spills away from fire. In the case of large fires also cool surrounding equipment and structures with water. Will not burn or contribute to hazard if in fire.

IV. REACTIVITY:

STABILITY: Stable
CONDITIONS TO AVOID:
Stable under normal storage conditions.

HAZARDOUS POLYMERIZATION:
Will Not Occur

INCOMPATIBILITY:
None known.

HAZARDOUS DECOMPOSITION PRODUCTS:
Toxic nitrogen oxides.

V. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS

CAUTION:
Use appropriate protective and safety equipment. See Section VIII of this Material Safety Data Sheet for handling precautions.

SMALL SPILL:

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Mop up or soak up with non-combustible absorbent inorganic material. Transfer to DOT-approved container.

LARGE SPILL:

Evacuate spill area of unprotected personnel. Contain by diking with non-combustible absorbent inorganic material. Prevent runoff from entering storm drains, surface water, and soil. Transfer contaminated absorbent to a DOT-approved container.

WASTE DISPOSAL INFORMATION:

Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures.

NOTE:

Comply with all applicable government regulations on spill reporting and handling and disposal of waste. Empty containers can have residues, gases, and mists, and are subject to proper waste disposal. This product if diluted and neutralized to local POTW regulations, may be disposed of into the sewer. Contaminants washed/cleaned off with this product may be hazardous. Wastewater containing those contaminants may be unsuitable for sewer disposal even if neutralized to approved pH.

VI. HEALTH HAZARD DATA:

BREATHED:

At room temperatures, component(s) are unlikely to cause harm due to physical properties; at higher temperatures components(s) may generate vapor at levels sufficient to cause irritation to nose, throat, and lungs (respiratory tract) and eyes.

SKIN CONTACT:

Slightly irritating to skin.

SKIN ABSORPTION:

Components are unlikely to be absorbed through skin in harmful concentrations.

EYE CONTACT:

Liquid may cause eye irritation and discomfort.

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SWALLOWED:

Swallowing can cause irritation, nausea, vomiting. Amounts ingested incidental to industrial handling are not likely to cause injury; however, ingestion of larger amounts may cause injury.

SYSTEMIC AND OTHER EFFECTS:

None.

MEDICAL CONDITIONS AGGRAVATED:

No medical conditions are known to be aggravated by exposure to this product.

SUSPECTED CANCER AGENT:

FEDERAL OSHA	CA OSHA	NTP	IARC
No	No	No	No

TARGET ORGANS, OTHER THAN THOSE IMPLIED BY ROUTES OF ENTRY (I.E., BREATHED, INCLUDES RESPIRATORY TRACT AND LUNGS) ARE CAPITALIZED. This product DOES NOT contain chemicals known to the State of California to cause cancer or reproductive toxicity.

VII. FIRST AID:

BREATHED:

Remove victim to fresh air at once. If not breathing, give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Keep victim warm and at rest. GET IMMEDIATE MEDICAL ATTENTION.

SKIN:

Wash skin immediately with lots of soap and water. If clothes and shoes are contaminated, remove and wash before reuse. Get medical attention if ill effect or irritation develops.

EYES:

Wash eyes immediately with running water for at least 15 minutes. Use fingers to assure that eyelids are separated and that eye is being washed. Lift the lower and upper lid occasionally. GET IMMEDIATE MEDICAL ATTENTION.

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SWALLOWED:
DO NOT INDUCE VOMITING. If victim is conscious, give large amounts of water. Do not attempt to give fluids to unconscious victim. **GET MEDICAL ATTENTION.**

NOTE TO PHYSICIAN:
Supportive care: Treatment based on judgement of physician in response to reactions of patient.

VIII. HANDLING PRECAUTIONS:

VENTILATION:
Control airborne concentrations below exposure guidelines (Section I) with **MECHANICAL VENTILATION**, if necessary. Local **EXHAUST VENTILATION** may be necessary for some operations.

RESPIRATORY PROTECTION:
Atmospheric levels should be maintained below exposure guidelines. When respiratory protection is required for certain operations, use a NIOSH-approved cannister-type respirator.

EYE PROTECTION:
Contact lenses should not be used. Suggested protection is safety glasses, but where contact with liquid is likely, chemical goggles or face shields are recommended.

SKIN PROTECTION:
Impermeable gloves are recommended. When prolonged or frequently repeated contact could occur, use protective clothing. Wash thoroughly after handling chemicals.

SPECIAL EQUIPMENT:
Suitable laboratory safety equipment includes safety showers, eye washes, and proper fire extinguishing media.

IX. STORAGE AND HANDLING:

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Train all employees on all special handling procedures in this section before they work with this product. Exercise reasonable care and caution. Personnel should avoid breathing vapors and/or mists and getting product in the eyes or on the skin. DO NOT CONSUME food, drink, or tobacco in areas where they may become contaminated with this material. Keep containers cool, dry, and away from sources of ignition. DO NOT STORE product in direct sunlight, high temperature, or below freezing areas. Keep product container tightly closed when not in use. Protect containers from physical damage. Use and store with adequate ventilation. DO NOT cut, grind, weld or drill on or near this container. Ground all equipment. Wash thoroughly after using.

X. DOT:

PROPER SHIPPING NAME: COMPOUND, CLEANING, LIQUID (CONTAINING POTASSIUM HYDROXIDE)
HAZARD CLASS: CORROSIVE MATERIAL
ID NUMBER NA1760

XI. OTHER PRECAUTIONS:

None Abbreviations: NA:Not Applicable; ND:Not Determined.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE. FOR FURTHER INFORMATION, CALL (714) 739-2821.

XII. NAME OF PREPARER:

Doug Pomeroy