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4010

SECTION I - GENERAL INFORMATION

TRADE NAME:
Aries 4010

EMERGENCY PHONE NO:
INFOTRAC: (800) 535-5053

CHEMICAL NAME:
Cooling Tower Corrosion Control

DISTRIBUTOR'S D-U-N-S NO:
14-861-3045

HAZARDOUS MATERIAL DESCRIPTION: Non hazardous
EMERGENCY RESPONSE GUIDE#: NA
SHIPPING NUMBER: NA
REPORTABLE QUANTITY: NA

SYNONYMS:

FORMULA:

CHEMICAL FAMILY:
N/A

Mixture
MOLECULAR WEIGHT:
N/A

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENTS	% BY WT.	CAS NO.	TWA	
			OSHA	ACGIH
Sodium hydroxide Solution	4 - 8	1310-73-2	2mg/m3	
2-phosphono-1,2,4-butanecarboxylic acid solution	3 - 4	37971-36-1	NA	
Sodium molybdate	0.5 - 1.0	7631-95-0	5 mg/m3	

HAZARD RATING	HEALTH	2	REACTIVITY	0
	FIRE	0	SPECIAL	H

SECTION 3 - PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY:
1.12 - 1.14

pH:
7 - 8

BOILING POINT:
225°

SOLUBILITY IN WATER:
Complete

VAPOR PRESSURE:
N/A

PERCENT VOLATILE BY VOLUME:
75-85

EVAPORATION RATE:
N/A

APPEARANCE AND ODOR: Amber liquid with slight to negligible odor.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:
>200°F

FLAMMABLE LIMITS:
LEL: N/A UEL: N/A

AUTO IGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Treat surrounding fire. Use water spray, alcohol foam, carbon dioxide or dry chemical. Use water spray cool nearby containers.

SPECIAL FIRE FIGHTING PROCEDURES: Use above media to extinguish fires. Wear positive pressure breathing apparatus and fire fighting protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Thermal decomposition may release oxides of sodium, carbon, nitrogen and phosphorus.

SECTION 5 - HEALTH HAZARD DATA

EFFECTS OF EXPOSURE: May cause eye and skin irritation.

INGESTION: Do not induce vomiting. Give copious quantities of water. Seek immediate medical attention.

SKIN CONTACT: Remove contaminated clothing . Wash affected area with soap and large amounts of water for a minimum of 15-20 minutes. Seek medical attention.

EYE CONTACT: Wash eyes immediately with large amounts of water for a minimum of 15-20 minutes lifting eyelids often. Seek medical attention.

INHALATION: Remove person from exposure area to fresh air. Initiate artificial respiration and CPR if necessary. Seek medical attention.

CARCINOGENICITY: Not a carcinogen.

SECTION 6 – REACTIVITY DATA

STABILITY:
Stable

HAZARDOUS POLYMERIZATION:
Will not occur.

CONDITIONS TO AVOID: Excessive heat.

MATERIALS TO AVOID: Strong acids and oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition may release oxides of carbon, nitrogen, sodium and phosphorus.

SECTION 7 - SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Full protective clothing and SCBA are recommended. Dike spill area and absorb with inert material. Sweep into DOT approved containers for disposal. Flush remainder with water.

WASTE DISPOSAL METHODS: Dispose of in accordance with local, state and federal regulations.

ENVIRONMENTAL TOXICITY DATA: N/A

HAZARDOUS WASTE 40CFR261: N/A

HAZARDOUS WASTE NO: N/A

CONTAINER DISPOSAL: N/A

SECTION 8 - SPECIAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: None generally required. If mists are present use NIOSH approved acid fume respirator

EYE PROTECTION: Chemical eye goggles or full face shield.

PROTECTION CLOTHING: Long sleeve shirt, trousers, rubber gloves, rubber apron, and rubber boots.

VENTILATION: Use with adequate ventilation to meet permissible exposure limit.

OTHER: Emergency eye wash and safety shower should be located nearby.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store away from sources of heat, acids and oxidizing agents.

OTHER PRECAUTIONS: Keep other container tightly closed when not in use. Wash thoroughly after handling. Do not get in eyes on skin or on clothing.

SECTION 10 - REGULATORY INFORMATION

SECTION 313 - SUPPLIER NOTIFICATION

THIS PRODUCT DOES NOT CONTAIN ANY TOXIC CHEMICALS WHICH ARE REPORTABLE UNDER SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 (40 CFR 372).

WHILE ARIES CHEMICAL INC. BELIEVES THE DATA SET FORTH HEREIN IS ACCURATE AS OF THE DATE HEREOF, ARIES CHEMICAL MAKES NO WARRANTY WITH RESPECT THERETO AND EXPRESSLY DISCLAIMS ALL LIABILITY FOR REFERENCE THEREON OF SUCH DATA, AND IS OFFERED SOLELY FOR YOUR CONSIDERATION, INVESTIGATION, AND VERIFICATION.