

ARIES CHEMICAL INCORPORATED
6604 DEPOT ST., P.O. BOX 519
BEAVER FALLS, NEW YORK 13305
315-346-1489 FAX: 315-346-1658

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0301

SECTION I - GENERAL INFORMATION

TRADE NAME:
Aries 301 Oxygen Scavenger

EMERGENCY PHONE NO:
INFOTRAC #800-535-5053

CHEMICAL NAME:
Oxygen Scavenger

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

HAZARDOUS MATERIAL DESCRIPTION: Nonhazardous
SHIPPING NUMBER: N/A
EMERGENCY RESPONSE GUIDE #: N/A
REPORTABLE QUANTITY: N/A

SYNONYMS:
Boiler Treatment Chemical

FORMULA:
N/A

CHEMICAL FAMILY:
Oxygen Scavenger

MOLECULAR WEIGHT:
N/A

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENTS **% BY WT.** **CAS NO.** **OSHA** **ACGIH** **TWA**
No permissible exposure limits (PEL/TLC) have been established by OSHA or ACGIH for this product.

TSCA (Toxic Substances Control Act) Status: The components of this product are listed on the TSCA Inventory.

HAZARD RATING	HEALTH	1	REACTIVITY	0
	FIRE	0	SPECIAL	E

SECTION 3 - PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY: 2.60 to 2.66 **pH:** 9.5 to 10.5 (5% soln) **BOILING POINT:** N/A

SOLUBILITY IN WATER: 17% @ 50F, 28% @ 92F **VAPOR PRESSURE:** N/A

PERCENT VOLATILE BY VOLUME: N/A **EVAPORATION RATE:** N/A

APPEARANCE AND ODOR: White to pale yellow crystals or powder.

MATERIAL: Solid

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not Flammable **FLAMMABLE LIMITS:** LEL: N/A UEL: N/A

AUTO IGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Material is not flammable. Use extinguishing media appropriate for material in surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus when fighting fire. Use water-spray to keep containers cool, and to knock down fumes.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Thermal decomposition may release oxides of sodium and sulfur at fire temperatures.

EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS:
Sulfur dioxide: OSHA TWA = 5 ppm
 ACHIH STEL = 0.25 ppm

SECTION 5 - HEALTH HAZARD DATA

EFFECTS OF EXPOSURE: May cause irritation to the skin. May cause irritation and/or burns to the eyes. Harmful if swallowed or inhaled. May cause severe and possibly fatal allergic reactions if inhaled or swallowed by some asthmatics and other 'sulfite-sensitive individuals. Reacts with acids to form toxic and irritating sulfur dioxide gas.

INGESTION: If conscious, immediately give a large quantity of water or milk and induce vomiting by touching finger to back of throat. Get immediate medical attention.

SKIN CONTACT: Immediately wash skin with plenty of soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation persists.

EYE CONTACT: Flush for 15 minutes with water. If irritation develops, contact a physician.

INHALATION: Promptly remove to fresh air. Get immediate medical attention if signs of suffocation, irritation or other symptoms develop.

ADVICE TO PHYSICIAN: Treat symptomatically. Note potential for anaphylactic shock with allergic individuals.

CARCINOGENICITY: Not a carcinogen.

TOXICOLOGICAL INFORMATION:

SKIN: Dust or mist may cause skin irritation from prolonged contact. Solutions will cause skin irritation. **EYES:** Dust or mist may irritate or burn the eyes. Solutions will cause irritation or burns to the eyes. **INHALATION:** Inhalation or dust or mist can irritate the respiratory tract. May cause severe or deadly allergic reactions include bronchoconstriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure, and anaphylaxis. **INGESTION:** Ingestion may irritate the gastrointestinal tract. Estimated to be moderately toxic. May cause severe allergic reactions in some asthmatics. Large doses may cause violent colic and diarrhea, circulatory disturbances, central nervous system depression, and even death.

TOXICITY DATA: Immediate (Acute Effects): Sodium sulfite – LD₅₀ (oral, mouse)- 820 mg/kg, LD₅₀ (oral, rat) = 2610-6400 mg/kg; LC₅₀ (inhalation, rat) >5.5; Sodium sulfate – LD (oral, rat) >10,000 mg/kg.

Delayed (Subchronic and Chronic) Effects:

Sodium sulfite has been demonstrated to be mutagenic in microbial system; however, it is not mutagenic in studies involving insects and is not considered to present a mutagenic threat to multicell organisms.

SECTION 6 - REACTIVITY DATA

STABILITY:
Stable

HAZARDOUS POLYMERIZATION:
Will not occur

CONDITIONS TO AVOID: Avoid high temperatures (at decomposition, 1652F)

MATERIALS TO AVOID: Avoid strong oxidizers: causes vigorous exothermic reactions. Avoid acids: releases sulfur dioxide gas.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition may release sulfur dioxide and sodium sulfide residue.

SECTION 7 - SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Promptly sweep up material with minimum dusting and shovel into an empty container with a cover. Cautiously spray residue with plenty of water. Provide ventilation to clear sulfur dioxide fumes which may be generated by the sodium sulfite component.

WASTE DISPOSAL METHODS: Disposal must be made in accordance with applicable government regulations.

ENVIRONMENTAL TOXICITY DATA:

Daphnia magna LC50 48 hours: 273 mg/L

Not classified as hazardous to aquatic organisms.

HAZARDOUS WASTE 40CFR261: N/A

HAZARDOUS WASTE NO: N/A

CONTAINER DISPOSAL: N/A

SECTION 8 - SPECIAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: NIOSH approved dust mask.

EYE PROTECTION: Goggles recommended. Do not wear contact lenses.

PROTECTION CLOTHING: Coveralls, apron, boots as necessary to prevent skin contact.

VENTILATION: Use local exhaust in dusty areas.

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

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Avoid eye, skin and clothing contact. Do not inhale mists. Do not taste or ingest. Wash after handling and before eating, drinking or smoking.

SECTION 10 - REGULATORY INFORMATION

SECTION 311 HAZARD CLASS: Acute Health

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).

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