



MATERIAL SAFETY DATA SHEET

Alkaline Coil/Fin Cleaner

Additives Inc.
 5915 N. Broadway
 Denver, CO 80216
 Tel: 303-292-0595 Fax: 303-292-0429
 msds@additivesinc.com
 MSDS on-line: www.additivesinc.com

MSDS No: 4400
 Ver. No: 3
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EMERGENCY NUMBERS:
 PERS 1-800-633-8253

CUSTOMER SERVICE:
 303-292-0595

SECTION 1 - IDENTIFICATION

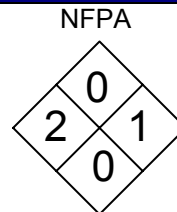
Product Name: Alkaline Coil/Fin Cleaner
Chemical Name: Mixture
Chemical Family: Alkaline aqueous solution of inorganic and organic corrosion inhibitors.
DOT Shipping Name: CORROSIVE LIQUID N.O.S. CLASS B (SODIUM HYDROXIDE) UN 1760 P.G. II
Label Requirements: CORROSIVE LABEL

SECTION 2 - TYPICAL COMPOSITION

| <u>MATERIAL</u> | <u>CAS No</u> | <u>OSHA PEL</u> | <u>ACGHI TLV</u> |
|------------------------|---------------|-----------------|------------------|
| Sodium Metasilicate | 6834-92-0 | Not applicable | Not applicable |
| Ethoxylatednonylphenol | 9016-45-9 | Not applicable | Not applicable |
| Potassium Hydroxide | 1310-58-3 | Not applicable | Not applicable |

SECTION 3 - HMIS RATINGS

Health: 2
Flammability: 0
Reactivity: 1
Special: 0
 0 = minimal 1= slight 2= moderate 3= serious 4= severe



SECTION 4 - PHYSICAL DATA

Appearance and odor:: Clear red liquid - Mild Odor
Boiling Point: Over 200°F
Specific Gravity: (H₂O=1): 1.135-1.145
Vapor Density: (Air=1): Not applicable
Percent Organic Volatiles by Volume: None
Evaporation Rate: (butyl acetate =1): <1
Solubility in Water: Complete
Vapor Pressure: (mm Hg.): Like Water
pH: 13.80-13.95

SECTION 5 – HEALTH HAZARD DATA

| | |
|---|--|
| Route(s) of Entry | |
| Inhalation: | Yes |
| Skin: | Yes |
| Ingestion: | Yes |
| Effects of overexposure: | Can cause severe burns to eyes, skin, and mucous membranes. Ingestion may injure mouth and gastrointestinal tract. |
| Signs and Symptoms of Exposure: | Burning of eyes, skin, and mucous membranes. Irritation of respiratory system. |
| Medical Conditions Generally Aggravated by Exposure: | Allergies to chemicals, sensitive skin. |
| Carcinogenicity | |
| NTP: | None known |
| IARC Monographs: | None known |
| OSHA Regulations: | None known |
| Emergency and First Aid Procedures: | |
| | Eye contact: Flush with water for 15 minutes. Get medical attention as soon as possible. ADVISE: EYEWASH STATION IN NEAR AREA |
| | Skin contact: Flush with water for 15 minutes. Get medical attention as soon as possible. |
| | Ingestion: DO NOT INDUCE VOMITING. Get medical attention as soon as possible. Give large quantities of water. |

SECTION 6 – FIRE AND EXPLOSION HAZARD DATA

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| Flash Point: | None |
| Flammable limits in air (% by volume): | Not applicable |
| LEL: | Not applicable |
| UEL: | Not applicable |
| Method Used: | Open cup |
| Extinguishing media: | Does not burn |
| Special Fire Fighting procedures: | None |
| Unusual Fire and Explosion Hazards: | May release carbon monoxide upon high heat |

SECTION 7 – REACTIVITY DATA

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| Stability: | Stable |
| Conditions to Avoid: | Mixtures of acids, isocyanates, rapid addition to hot water. Will catalyze reacting of other chemicals |
| Incompatibility: | Strong acids |
| Hazardous decomposition products: | None |
| Hazardous polymerization: | Will not occur |

SECTION 8 – SPILL OR LEAK PROCEDURES

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| Steps to be taken if material is released or spilled: | Dike area to contain spill. Reclaim if possible, dilute and neutralize with kilute acid, absorb and dispose of according to local, state and federal regulations. Wear safety clothing during cleanup. |
| Waste disposal method: | Dispose of according to local, state and federal regulations. |

SECTION 9 – PERSONAL PROTECTION INFORMATION

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| Respiratory protection: | For vapor or mist exposure, use NIOSH-approved respirator. |
| Ventilation: | Adequate local exhaust. |
| Protective gloves: | Where skin contact may occur, chemical-impervious gloves should be worn. Caustic resistant. |
| Eye protection: | Use chemical goggles or full face shield when the danger of splashing exists |
| Other protective equipment: | Clothing or equipment: Rubber boots and apron. Safety shower and eyewash station nearby. |
| Work/Hygienic Practices: | Standard work practices apply; clean work areas. |

SECTION 10 – ADDITIONAL PRECAUTIONS

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| Acidic irritant: | Avoid contact with skin, eyes and clothing. Do not take internally. Clean up spills immediately. |
| Precautions to be taken in handling and storage: | Wear chemical goggles, rubber gloves and protective clothing. Store in a cool, dry place. Keep from freezing. Store away from children. Keep containers tightly closed when not in use. Store only in containers which are resistant to alkaline solutions with a pH of 12-14. |
| Other precautions: | KEEP OUT OF THE REACH OF CHILDREN. Read product label. |

SECTION 11 – GENERAL COMMENTS

THE INFORMATION GIVEN HEREIN IS GIVEN IN GOOD FAITH AND FROM SOURCES WE BELIEVE RELIABLE, BUT NO WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS IS MADE.

The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not apply.

CONSULT ADDITIVES INC. FOR FURTHER INFORMATION.