

**MATERIAL SAFETY DATA SHEET**

46102+

46103

**I. GENERAL INFORMATION****DISTRIBUTORS NAME AND ADDRESS**

APPLIED CHEMICAL SPECIALTIES, INC.  
P. O. BOX 241597  
OMAHA, NE 68124

EMERGENCY TELEPHONE NO 800-424-9300

TRADE NAME: CORROSION INHIBITOR

PRODUCT NAME: NO-ROSION

CHEMICAL FORMULA: PROPRIETARY

CHEMICAL FAMILY: COOLING WAT. TRT.

**II. HAZARDOUS INGREDIENTS**

PRINCIPAL HAZARDOUS INGREDIENTS  
SODIUM HYDROXIDE

2  
C5

OSHA PEL OR ACCH TLV  
TLV: 2MG/CU METERPER  
8HR. TWA. PEL: 2MG/CU  
METER PER 8HR. TWA.

CAS NO.  
1310-73-2

SODIUM NITRITE  
SODIUM TETRABORATE  
SODIUM MOLYBDATE

C10  
C5  
C5

NO PEL OR TLV EST.  
TLV: 1MG/CU METER  
OSHA TWA 5MG/CU  
METER AS MO.

7632-00-0  
12179-04-  
7631-95-0

**III. PHYSICAL DATA**

BOILING POINT (F) >220(F)  
VAPOR PRESSURE NE  
VAPOR DENSITY NE  
SOLUBILITY IN WATER COMPLETE  
APPEARANCE AND ODOR DARK RED LIQUID, NO DISTINCT ODOR

SPECIFIC GRAVITY (H2O=1) 1.09  
PERCENT VOLATILE BY WEIGHT (Z) NA  
MELTING OR FREEZING POINT (F) NA  
PH APPROXIMATELY 11.0

**IV. FIRE AND EXPLOSION DATA**

FLASH POINT (METHOD USED) N/A  
AUTO IGNITION TEMPERATURE NE  
SPECIAL FIRE-FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE  
PIECE APPROVED BY NIOSH. USE WATER SPRAY TO COOL EXPOSED CONTAINERS OF  
POTENTIAL FUEL OR OXIDIZER, OR TO DRENCH OXIDIZER.

FLAMMABLE LIMITS IN AIR, % VOL. LOWER- N/A UPPER- N/A  
EXTINGUISHER MEDIA AS USED ON SURROUNDING FIRE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NO-ROSION A CONTAINS AN OXIDIZING AGENT. IT CAN  
SUPPLY OXYGEN TO STIMULATE OR ACCELERATE THE COMBUSTION OF ORGANIC OR OTHER  
COMBUSTIBLE MATERIALS.

**V. PHYSICAL HAZARDS**

STABILITY: STABLE  
MATERIALS TO AVOID: ACIDIC SOLUTIONS, AMMONIUM COMPOUNDS.  
HAZ. POLYMERIZATION: WILL NOT OCCUR  
HAZARDOUS DECOMPOSITION PRODUCTS: GASEOUS NITROGEN OXIDES

CONDITIONS TO AVOID: EXTREME HEAT  
CONDITIONS TO AVOID: NONE

**VI. HEALTH HAZARDS**

ACUTE IRRITANT  
SIGNS AND SYMPTOMS OF EXPOSURE CONTINUOUS AND REPEATED CONTACT WITH NO-ROSION A MAY  
CAUSE LOCAL IRRITATION ON SKIN AND SEVERE EYE IRRITATION.

CHRONIC NONE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE CURRENTLY KNOWN.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN I.A.R.C. NO NATIONAL TOXICOLOGY PROGRAM NO

**VII. EMERGENCY AND FIRST AID PROCEDURES**

TREAT SYMPTOMATICALLY AS OUTLINED BELOW:  
INHALATION: IF AFFECTED, REMOVE PERSON TO FRESH AIR. CONSULT A PHYSICIAN IF  
BREATHING DIFFICULTY OCCURS.

SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. CONSULT A PHYSICIAN  
IRRITATION OCCURS.

**VII. EMERGENCY AND FIRST AID PROCEDURES, CON'T.****PAGE 2**

**EYES:** FLUSH WITH CLEAN WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER EYE LIDS OCCASIONALLY. GET MEDICAL ATTENTION.

**INGESTION:** IF PERSON IS CONSCIOUS, GIVE WATER TO DILUTE. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY.

**VIII. ENVIRONMENTAL DATA: SPILL AND DISPOSAL PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** SMALL SPILL: FLUSH TO WASTE WITH LARGE QUANTITIES OF WATER. LARGE SPILL: COMPLETELY CONTAIN ALL SPILLED MATERIAL. ABSORB ONTO INERT COMPOUND AND RECLAIM TO A CLOSED DOT APPROVED CONTAINER. RESIDUE MAY BE FLUSHED TO WASTE WITH LARGE QUANTITIES OF WATER. SEE SECTION X FOR MORE REGULATORY INFORMATION.

**WASTE DISPOSAL METHODS:** DISPOSE OF CONTAMINATED PRODUCT VIA AN APPROVED CHEMICAL WASTE DISPOSAL FIRM AND IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

**IX. CONTROL MEASURES**

**RESPIRATORY PROTECTION:** NIOSH-APPROVED RESPIRATOR FOR EXPOSURES ABOVE OSHA PEL.

**VENTILATION:** MECHANICAL (GENERAL) ADEQUATE

**PROTECTIVE GLOVES:** RUBBER

**EYE PROTECTION:** CHEMICAL SPLASH GOGGLES

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** IMPERVIOUS CLOTHING: I. E. APRON AND BOOTS TO MINIMIZE POTENTIAL CONTACT.

**WORK/HYGIENIC PRACTICES:** CONTAMINATED CLOTHING SHOULD BE LAUNDERED BEFORE REUSE.

**OTHER** EYE WASH FOUNTAIN AND SAFETY SHOWER.

**X. REGULATORY INFORMATION**

**DOT SHIPPING NAME:** CLEANING COMPOUND, LIQUID

**HAZARD CLASSIFICATION:** NA

**UN/NA NUMBER:** NA

**DOT LABEL REQUIRED:** NA

**SARA TITLE III REPORTING:** SECTION 311 X 312 X 313 X

**SARA 313 REPORTABLE PRODUCT:**

**SARA TPO:**

**CERCLA REPORTABLE QUANTITY OF PRODUCT:** 79 GALLONS DUE TO SODIUM NITRITE CONTENT.

**HMIS:** HEALTH 1 FLAMMABILITY 1 REACTIVITY 1

NE= NOT ESTABLISHED

NA= NOT APPLICABLE

NR= NOT REQUIRED

< = LESS THAN, > = GREATER THAN

**DATE PREPARED:** MAY, 2002

**PREPARED BY:** JAMES A. MULLOY

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