

MATERIAL SAFETY DATA SHEET

CHEMCO INDUSTRIES, INC.
5731 Manchester Ave., St. Louis, MO 63110



DATE OF ISSUE: January, 05, 2006

GENERAL INFORMATION # : 314-647-1888
EMERGENCY TELEPHONE # : (800) 854-4236

I-PRODUCT IDENTIFICATION

RUST O SCALE

PRODUCT CODE: #201, #201B

CHEMICAL FORMULATION: RUST REMOVER FOR BOILERS & HOT WATER HEATERS

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: FLAMMABILITY: REACTIVITY:

HAZARD RATING: 4- Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity; Common Name (s))	CAS #	OSHA PEL	ACGIHTLV	Other Limits Recommended	% optional
SODIUM HYDROXIDE					

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III/ List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III/ List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - PHYSICAL DATA

BOILING POINT (C/F):	MELTING POINT:
VAPOR PRESSURE (mm Hg.)@20C	SPECIFIC GRAVITY (WATER = 1): 1.282
CORROSION RATE:	FREEZING POINT:
VAPOR DENSITY (AIR = 1):	VOC CONTENT (% by weight):
SOLUBILITY IN WATER: COMPLETE	EVAPORATION RATE (Butyl Acetate = 1):
	pH:
APPEARANCE AND ODOR: CLEAR WATER WHITE LIQUID	

IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (F/(C): N/A	(TEST METHOD):
FLAMMABLE LIMITS:	UPPER: N/A LOWER:
EXTINGUISHING MEDIA:	

SPECIAL FIRE FIGHTING PROCEDURES: CAUSTIC SOLUTION IS NON FLAMMABLE

UNUSUAL FIRE AND EXPLOSION HAZARD:

V - REACTIVITY DATA

STABILITY:	STABLE
INCOMPATIBILITY:	
CONDITIONS TO AVOID:	DO NOT MIX WITH STRONG ACIDS
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS TO AVOID:	NONE

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: RUST O SCALE

PRODUCT CODE: #201, #201

VI - HEALTH AND HAZARD DATA

ROUTES OF ENTRY: INHALATION? SKIN? INGESTION?

HEALTH HAZARDS (ACUTE & CHRONIC):

CARCINOGENICITY: NTP?NO IARC MONOGRAPHS?NO OSHA REGULATED? NO

EFFECTS OF OVEREXPOSURE

IF IN EYES: WILL CAUSE SEVER BURNS

IF ON SKIN: WILL CAUSE SEVER BURNS

IF SWALLOWED:

IF INHALED: MIST OR SPRAY WILL CAUSE DAMAGE TO RESPIRATORY TRACT.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES, CALL PHYSICIAN IMMEDIATELY

IF ON SKIN: WASH WITH LARGE AMOUNTS OF WATER

IF SWALLOWED: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF DILUTED ACETIC ACID (1%) VINEGAR (1-4) CITRIC ACID (1%) OR LEMON JUICE. FOLLOW WITH MILK OR EGG WHITES BEATEN WITH WATER. IF THESE ARE NOT AVAILABLE GIVE LARGE AMOUNTS OF WATER. CALL A PHYSICIAN AT ONCE.

IF INHALED:

VII - SPILL AND LEAK PROTECTION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: NEUTRALIZE WITH DILUTED ACID. FLUSH AREA WITH LARGE AMOUNTS OF WATER

WASTE DISPOSAL METHOD: IN ACCORDANCE WITH GOVERNMENT REGULATIONS.

VIII - SPECIAL PROTECTION INFORMATION

VENTILATION: Local Exhaust: XX Mechanical (General):

Other: AND EYE BATH Special: SAFETY SHOWER

RESPIRATORY PROTECTION: APPROVED RESPIRATOR FOR CAUSTIC. KEEP AREA WELL VENTILATED TO KEEP CONCENTRATION OF CAUSTIC IN AIR DOWN.

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: CHEMICAL SPLASH GOGGLES AND FACE SHIELD

OTHER PROTECTIVE EQUIPMENT: RUBBER BOOTS AND APRON

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID CONTACT WITH SKIN AND EYES

OTHER PRECAUTIONS: WEAR PROPER PROTECTIVE EQUIPMENT.

WORK/HYGIENIC PRACTICES :

REVISION DATE: January 05, 2005

Prepared By:

DATE OF ISSUE: January 05, 2005

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Chemco Industries assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material such vendees or users assume all risks associated with the use of this material.