

MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION # : 314-647-1888
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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))	Other Limits				
	CAS #	OSHA PEL	ACGIH TLV	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

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CONDITIONS TO AVOID: NONE

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PRODUCT NAME: RUST O SCALE

PRODUCT CODE: #201, #2011

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 :

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