

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: L3292

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - L3292

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I - PRODUCT IDENTIFICATION

RUST CONVERTER WITH 0.75 OXALIC ACID (SAMPLE)

PRODUCT CODE: 0346

CHEMICAL FORMULATION: WATER BASED METAL TREATMENT.

NFPA HAZARD IDENTIFICATION SYSTEM:

HEALTH 1
FLAMMABILITY 0
REACTIVITY 0

HAZARD RATING:

4 - EXTREME
3 - HIGH
2 - MODERATE
1 - SLIGHT
0 - INSIGNIFICANT

II - HAZARDOUS INGREDIENTS

VALUES REPORTED AS TWA UNLESS NOTED.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR 302 355	CAS # 372
TANNIC ACID	1.00-5.00	N/E	N/E	N N N	1401-55-4
2-ETHOXYETHANOL	1.00-5.00	25 PPM (SKIN)	25 PPM (SKIN)	N N Y	111-76-2
OXALIC ACID	<1.0	1 MG/M3	1 MG/M3	N N N	144-62-7

KEY:

PEL: PERMISSIBLE EXPOSURE LIMIT
TLV: THRESHOLD LIMIT VALUEC: CEILING LEVEL
STEL: SHORT TERM EXPOSURE LIMITN/A: NOT APPLICABLE
N/D: NOT DETERMINED
N/E: NOT ESTABLISHEDY: YES
N: NO302:
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 (DEG. F): N/D

VAPOR PRESSURE (MMHg): N/D

VAPOR DENSITY (AIR = 1): N/D

SOLUBILITY IN WATER: SOLUBLE

SPECIFIC GRAVITY: 1.13

VOC CONTENT (% BY WEIGHT): N/D

EVAPORATION RATE (WATER = 1): N/D

pH: 1.5-2.5

APPEARANCE AND ODOR: BEIGE, OPAQUE EMULSION; BLAND ODOR.

IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (DEG. F): N/A
(TEST METHOD): CLOSED CUP

FLAMMABLE LIMITS IN AIR (VOLUME %):

UPPER: N/D
LOWER: N/D

EXTINGUISHING MEDIA: WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL.

SPECIAL FIRE FIGHTING PROCEDURES:
COOL DRUMS IN VICINITY OF FIRE WITH WATER FOG. FIRE FIGHTERS SHOULD BE
EQUIPPED WITH FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING
APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARD: NONE

V - REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY: OXIDIZERS, STRONG ALKALIS.

CONDITIONS TO AVOID: NONE

HAZARDOUS DECOMPOSITION PRODUCTS:
THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS TO AVOID: NONE

VI - HEALTH HAZARD DATA

ROUTES OF ENTRY:

INHALATION (X)
EYE CONTACT (X)
SKIN CONTACT (X)
INGESTION (X)INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED
HUMAN CARCINOGENS: NONE

EFFECTS OF OVEREXPOSURE:

IF IN EYES: MODERATE IRRITATION AND REDNESS.

IF ON SKIN:
PROLONGED OR REPEATED EXPOSURE CAN LEAD TO MILD IRRITATION, FORMATION
OF DARK COLORED STAINS.IF SWALLOWED:
GASTROINTESTINAL IRRITATION, NAUSEA, CRAMPS, AND VOMITING. MAY BE
HARMFUL OR FATAL IF SWALLOWED.

IF INHALED: MAY CAUSE RESPIRATORY TRACT IRRITATION, HEADACHE, NAUSEA.

EMERGENCY AND FIRST AID PROCEDURES:

IF IN EYES:
FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15
MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.IF ON SKIN:
WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER
SEPARATELY BEFORE REUSE. IF IRRITATION PERSISTS, OBTAIN MEDICAL
ATTENTION.IF SWALLOWED:
CONTACT PHYSICIAN OR POISON CENTER IMMEDIATELY. RINSE MOUTH WITH WATER
AND GIVE PERSON 1 TO 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH
TO AN UNCONSCIOUS PERSON.

IF INHALED: REMOVE PERSON TO FRESH AIR.

VII - SPILL OR LEAK PROTECTION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
VENTILATE AREA. CONTAIN SPILL. SOAK UP SPILLED MATERIAL WITH INERT
ABSORBENT MATERIAL AND PLACE IN PROPERLY LABELED CONTAINER FOR DISPOSAL.

WASTE DISPOSAL METHOD: CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.

VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
USE WITH ADEQUATE VENTILATION. IF RECOMMENDED EXPOSURE LIMITS ARE EXCEEDED
WEAR A NIOSH APPROVED RESPIRATOR, FOLLOWING MANUFACTURER'S
RECOMMENDATIONS.VENTILATION:
LOCAL: RECOMMENDED
MECHANICAL: NOT REQUIRED

PROTECTIVE GLOVES: CHEMICAL RESISTANT GLOVES.

EYE PROTECTION: SAFETY GLASSES OR CHEMICAL GOGGLES.

OTHER PROTECTIVE EQUIPMENT: EYE WASH STATION.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
STORE IN A COOL DRY AREA. DO NOT FREEZE. KEEP CONTAINER TIGHTLY CLOSED
WHEN NOT IN USE.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.

IX - TRANSPORTATION INFORMATION

(GROUND TRANSPORTATION ONLY)

DOT ID NUMBER: NONE

DOT PROPER SHIPPING NAME: NONE
DOT CLASS: NONE
DOT PACKING GROUP: NONE

THE SHIPPING INFORMATION LISTED ABOVE APPLIES ONLY TO NON-BULK
(419 GALLONS) CONTAINERS OF THIS PRODUCT. THIS PRODUCT MAY HAVE MORE
THAN ONE PROPER SHIPPING NAME DEPENDING ON PACKAGING, PRODUCT PROPERTIES,
& MODE OF SHIPMENT. IF ANY ALTERATION OF PACKAGING, PRODUCT, OR MODE OF
TRANSPORTATION IS FURTHER INTENDED, DIFFERENT SHIPPING NAMES AND
LABELING MAY APPLY.

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