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"Tiny Solutions to Large Problems"

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: *RUST-EATER*
SYNONYMS: RUST REMOVER/ RUST REMOVING AGENT

PRODUCT CODES:

MANUFACTURER: NANOPLAS, INC
ADDRESS: 2140 TOUHY AVE
ELK GROVE VILLAGE, IL 60007

EMERGENCY PHONE: 847-228-6050
INFOTRAC PHONE: 1-800-535-5053 OR 1-352-323-3500 (OUTSIDE USA)

FAX PHONE: 847-439-2411

CHEMICAL NAME: MIXTURE

PRODUCT USE: INDUSTRIAL USE
PREPARED BY: RYAN LYTLE

SECTION 1 NOTES: None

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% WT</u>
Ethanolamine	141-43-5	15-25
2,2'-oxybisethanol	111-46-6	10-20

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

APPEARANCE: Light yellow

ODOR: Mild

PRINCIPAL HAZARDS: Caution

- May cause eye irritation.
- May cause skin irritation.

SECTION 3 NOTES: None

SECTION 4: FIRST AID MEASURES

POTENTIAL HEALTH EFFECTS

EYES: Rinse open eye for several minutes under running water.

SKIN: Immediately wash with soap and water and rinse thoroughly.

INGESTION: If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

INHALATION: Supply fresh air; consult doctor in case of complaints.

ACUTE HEALTH HAZARDS: None

CHRONIC HEALTH HAZARDS: None

SECTION 4 NOTES: Grossly contaminated clothing: Take off all contaminated clothing immediately and wash before reuse.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Not determined
(% BY VOLUME) LOWER: Not determined

FLASH POINT:

F: Not determined
C: Not determined

METHOD USED:

AUTOIGNITION TEMPERATURE:

F: Not determined
C: Not determined

NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0
OTHER: A

HMS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0
PROTECTION: A

EXTINGUISHING MEDIA: Co2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained respiratory protective device.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material does not have explosion properties

HAZARDOUS DECOMPOSITION PRODUCTS: Not determined

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Personal protective equipment must be worn, see Personal Protection Section for PPE recommendations. Take precautions to avoid release to the environment. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways, dispose of in accordance with all federal, state and local environmental regulations. Pick up free liquid for recycle and/ or disposal. Residual liquid can be absorbed on inert material.

SECTION 6 NOTES: None

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Ensure good ventilation/ exhaustion at the work place. No special storage requirements required.

OTHER PRECAUTIONS: No special measures required.

SECTION 7 NOTES: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use with adequate ventilation.

RESPIRATORY PROTECTION: Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas.

EYE PROTECTION: Safety glasses

SKIN PROTECTION: Use nitrile or neoprene gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Long sleeve shirt is recommended. Wear chemically protective apron when contact with the material may occur. Do not wear rings, watches or similar apparel that could entrap the material and cause skin reaction. Launder contaminated clothing before reuse.

EXPOSURE GUIDELINES: Not determined

SECTION 8 NOTES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Light yellow

ODOR: Mild

PHYSICAL STATE: Liquid

pH AS SUPPLIED:

pH (Other):

BOILING POINT:

F: Not determined

C: Not determined

MELTING POINT:

F: Not determined

C: Not determined

FREEZING POINT:

F: Not determined

C: Not determined

VAPOR PRESSURE (mmHg):

@

F: Not determined

C: Not determined

VAPOR DENSITY (AIR = 1):

@

F: Not determined

C: Not determined

SPECIFIC GRAVITY (H₂O = 1):

@ 60F

F: 1.14(60 °F)

EVAPORATION RATE:

BASIS (=1): Not determined

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: Fully miscible

PERCENT SOLIDS BY WEIGHT: 55-65%

PERCENT VOLATILE:
BY WT/ BY VOL @

F: Not determined

C: Not determined

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: LBS/GAL Not determined

WITHOUT WATER: LBS/GAL Not determined

MOLECULAR WEIGHT:

VISCOSITY:

@

F: Not determined

C: Not determined

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Prolonged excessive heat may cause product decomposition.

INCOMPATIBILITY (MATERIAL TO AVOID): Not determined

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Not determined

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): Not determined

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

PRIMARY IRRITANT EFFECT: On the skin: repeated or prolonged skin contact with this product may produce skin irritation.
On the eye: Irritating effect

SENSITIZATION: No sensitizing effect known.

SECTION 11 NOTES: The product is not subject to classification according to the calculation method of the general EU classification guidelines for preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

ECOTOXICITY: Not determined

ENVIRONMENTAL FATE: Not determined

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Disposal should be in accordance with local, state and federal regulations.

SECTION 13: DISPOSAL CONSIDERATIONS (cont.)

SECTION 13 NOTES: None

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENT: Not applicable

WATER TRANSPORTATION

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS: Not applicable

AIR TRANSPORTATION

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS: Not applicable

OTHER AGENCIES: Not applicable

SECTION 14 NOTES: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All ingredients listed.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): None of the ingredients listed.

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: None

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

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