

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE

#### PRODUCT DETAILS

- TRADE NAME: **RUST EATER**
- Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation  
Rust remover/ rust-removing agent  
Corrosion inhibitors
- **MANUFACTURER/SUPPLIER**  
**NANOPLAS, INC**  
**1901 GODFREY AVE., SW**  
**GRAND RAPIDS, MI 49509 USA**  
**PHONE (616) 452-3707**  
**FAX (616) 452-5640**
- INFORMATION DEPARTMENT:  
[INFO@NANOMOLDRELEASE.COM](mailto:INFO@NANOMOLDRELEASE.COM)  
PRODUCT SAFETY DEPARTMENT:
- EMERGENCY INFORMATION: INFOTRAC (FOR SPILL, LEAK, FIRE EXPOSURE OR ACCIDENT) **1-800-535-5053**  
OR 1-352-323-3500 (OUTSIDE USA)

### 2. COMPOSITION/ DATA ON COMPONENTS

#### CHEMICAL CHARACTERIZATION

- **DESCRIPTION:** MIXTURE OF THE SUBSTANCES LISTED BELOW WITH NONHAZARDOUS ADDITIONS.
- **DAINGEROUS COMPONENTS:** VOID

### 3. HAZARDS IDENTIFICATION

#### HAZARD DESCRIPTION:



- INFORMATION PERTAINING TO PARTICULAR DANGERS FOR MAN AND ENVIRONMENT  
NO HAZARDS TO BE PARTICULARLY MENTIONED
- CLASSIFICATION SYSTEM  
NFPA RATING SYSTEM (SCALE 0-4)

<b>HEALTH</b>	1
<b>FLAMMABILITY</b>	0
<b>REACTIVITY</b>	0
<b>PERSONAL PROTECTION</b>	

#### 4. FIRST AID MEASURES

- **GENERAL INFORMATION:** NO SPECIAL MEASURES REQUIRED
- **AFTER INHALATION:** SUPPLY FRESH AIR; CONSULT DOCTOR IN CASE OF COMPLAINTS.
- **AFTER SKIN CONTACT:** IMMEDIATELY WASH WITH SOAP AND WATER AND RINSE THOROUGHLY.
- **AFTER EYE CONTACT:** RINSE OPEN EYE FOR SEVERAL MINUTES UNDER RUNNING WATER.
- **AFTER SWALLOWING:** INDUCE VOMITING; IMMEDIATELY CALL FOR MEDICAL HELP.

#### 5. FIRE FIGHTING MEASURES

- **SUITABLE EXTINGUISHING AGENTS:** CO<sub>2</sub>, EXTINGUISHING POWDER OR WATER SPRAY. FIGHT LARGER FIRES WITH WATER SPRAY OR ALCOHOL RESISTANT FOAM.
- **ADVICE FOR FIREFIGHTERS:** WEAR SELF-CONTAINED RESPIRATORY PROTECTIVE DEVICE

#### 6. ACCIDENTAL RELEASE MEASURES

- **PERSON-RELATED SAFETY PRECAUTIONS:** NOT REQUIRED
- **ENVIRONMENTAL PRECAUTIONS:** DILUTE WITH PLENTY OF WATER
- **MEASURES FOR CLEANING/ COLLECTING:** ABSORB WITH LIQUID-BINDING MATERIAL (SAND, DIATOMITE, ACID BINDERS, UNIVERSAL BINDERS, SAWDUST)
- **REFERENCE TO OTHER SECTIONS:** NO DANGEROUS SUBSTANCES ARE RELEASED

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## 7. HANDLING AND STORAGE

### HANDLING:

- **INFORMATION FOR SAFE HANDLING:** ENSURE GOOD VENTILATION/ EXHAUSTION AT THE WORKPLACE.
- **INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES:** NO SPECIAL MEASURES REQUIRED.

### STORAGE:

- **REQUIREMENTS TO BE MET BY STOREROOMS AND RECEPTACLES:** NO SPECIAL REQUIREMENTS
- **INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY:** NOT REQUIRED.
- **FURTHER INFORMATION ABOUT STORAGE CONDITIONS:** NONE

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- **ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEM:** NO FURTHER DATA; SEE ITEM 7.
- **CONTROL PARAMETERS:**
- **COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:** THE PRODUCT DOES NOT CONTAIN ANY RELEVANT QUANTITIES OF MATERIALS WITH CRITICAL VALUES THAT HAVE TO BE MONITORED AT THE WORKPLACE.
- **ADDITIONAL INFORMATION:** THE LISTS THAT WERE VALID DURING THE CREATION WERE USED AS A BASIS.
- **PERSONAL PROTECTION EQUIPMENT/ GENERAL PROTECTIVE AND HYGIENIC MEASURES:**
- AVOID CONTACT WITH EYES AND SKIN.
- THE USUAL PRECAUTIONARY MEASURES FOR HANDLING CHEMICALS SHOULD BE FOLLOWED.

**PROTECTION OF HANDS:** PROTECTIVE GLOVES

**EYE PROTECTION:** GOGGLES RECOMMENDED DURING REFILLING.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>GENERAL INFORMATION</b>
<b>FORM:</b> LIQUID
<b>COLOR:</b> BROWN
<b>ODOR:</b> CHARACTERISTIC
<b>CHANGE IN CONDITION:</b>
<b>MELTING POINT/MELTING RANGE:</b> UNDETERMINED
<b>BOILING POINT/BOILING RANGE:</b> UNDETERMINED
<b>FLASH POINT:</b> NON APPLICABLE
<b>AUTO IGNITING:</b> PRODUCT IS NOT SELFIGNITING
<b>DANGER OF EXPLOSION:</b> PRODUCT DOES NOT REPRESENT AN EXPLOSION HAZARD.
<b>SOLUBILITY IN/MISCIBILITY WITH WATER:</b> FULLY MISCIBLE
<b>DENSITY @ 20°C (68°F):</b> 1.11-1.15 g/cm <sup>3</sup> (34-9.597 lbs/gal) (9.3-9.6 lb/gal)

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**pH-VALUE @ 20°C (68°F):** 1.7-2.5 (NEAT)

**SOLVENT CONTENT**

**ORGANIC SOLVENTS:** 0.0%

**WATER:** 67-72%

**SOLIDS CONTENT:** 27-33%

## 10. STABILITY AND REACTION

- **THERMAL DECOMPOSITION/ CONDITIONS TO BE AVOIDED:** NO DECOMPOSITION IF USED ACCORDING TO SPECIFICATIONS.
- **DANGEROUS REACTIONS:** NO DANGEROUS REACTIONS KNOWN
- **DANGEROUS PRODUCTS OF DECOMPOSITION:** NO DANGEROUS DECOMPOSITION KNOWN.

## 11. 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 EFFECTS KNOWN.
- **ADDITIONAL TOXICOLOGICAL INFORMATION:** 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.

## 12. ECOLOGICAL INFORMATION

### ADDITIONAL ECOLOGICAL INFORMATION

- **ACQUATIC TOXICITY:** NO FURTHER RELEVANT INFORMATION AVAILABLE
- **GENERAL NOTES:** GENERALLY NOT HAZARDOUS FOR WATER
- **RESULTS OF PBT AND vPvB ASSESSMENT**
- **PBT:** NOT APPLICABLE
- **vPvB:** NOT APPLICABLE

## 13. DISPOSAL CONSIDERATIONS

### PRODUCT

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- **MUST NOT BE DISPOSED OF TOGETHER WITH HOUSEHOLD GARBAGE. DO NOT ALLOW PRODUCT TO REACH SEWAGE SYSTEM.**
  - **RECOMMENDATION:** DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- UNCLEANED PACKAGINGS**
- **RECOMMENDATION:** DISPOSAL MUST BE MADE ACCORDING TO OFFICAL REGULATIONS.
  - **RECOMMENDED CLEANSING AGENT:** WATER, IF NECESSARY WITH CLEANSING AGENT.

#### 14. TRANSPORT INFORMATION

- **DOT regulations:**  
**Hazard class:** -  
**Identification number:** NOT APPLICABLE
  
- **Land transport ADR/RID (cross-border)**  
**ADR/RID class:** -  
**UN-Number:** NOT APPLICABLE
  
- **Maritime transport IMDG:**  
**IMDG Class:** -  
**Marine pollutant:** NOT APPLICABLE
  
- **Air transport ICAO-TI and IATA-DGR:**  
**ICAO/IATA Class:** -  
**UN/ID Number:** NOT APPLICABLE

#### 15. REGULATIONS

**SARA Section 355 (extremely hazardous substances)**

- None of the ingredients is listed.

**SARA Section 313 (specific toxic chemical listings)**

- None of the ingredients is listed.

**TSCA (Toxic Substances Control Act)**

- All ingredients are listed.

**Prop 65 - Chemicals known to cause cancer**

- None of the ingredients is listed.

**Carcinogenicity categories**

**EPA (Environmental Protection Agency)**

- None of the ingredients is listed.

**IARC (International Agency for Research on Cancer)**

- None of the ingredients is listed.



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**NTP (National Toxicology Program)**

- None of the ingredients is listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

- None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

- None of the ingredients is listed.

**Markings according to EU guidelines:**

- Observe the general safety regulations when handling chemicals
- The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous
- Materials (GefStoffV).
- **CHEMICAL SAFETY ASSESSMENT:** A CHEMICAL SAFETY ASSESSMENT HAS NOT BEEN CARRIED OUT.

**16. OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.