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"Tiny Solutions to Large Problems"

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE

PRODUCT DETAILS

- TRADE NAME: ***Anti-Rust***
- APPLICATION OF THE SUBSTANCE/THE PREPARATION
CORROSION INHIBITORS
COATING
- MANUFACTURER/SUPPLIER
NANOPLAS, INC
1901 GODFREY AVE., SW
GRAND RAPIDS, MI 49509
PHONE (616) 452-3707
FAX (616) 452-5640
- INFORMATION DEPARTMENT:
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.
- **DANGEROUS COMPONENTS:** TALL-OIL, FATTY ACID MALEATED 40-45%

3. HAZARDS IDENTIFICATION

HAZARD DESCRIPTION:



- INFORMATION PERTAINING TO PARTICULAR DANGERS FOR MAN AND ENVIRONMENT IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN
- CLASSIFICATION SYSTEM
NFPA RATING SYSTEM (SCALE 0-4)

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	

4. FIRST AID MEASURES

- **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:** IF SYMPTOMS PERSIST CONSULT A DOCTOR. IF SWALLOWED, RINSE MOUTH WITH WATER (ONLY IF THE PERSON IS CONSCIOUS) DO NOT INDUCE VOMITING; IMMEDIATELY CALL FOR MEDICAL HELP.

5. FIRE FIGHTING MEASURES

- **SUITABLE EXTINGUISHING AGENTS:** CO₂, EXTINGUISHING POWDER OR WATER SPRAY. FIGHT LARGER FIRES WITH WATER SPRAY OR ALCOHOL RESISTANT FOAM. SPECIAL HAZARDS CAUSED BY THE MATERIAL, ITS PRODUCT OF COMBUSTION OR RESULTING GASES. NITROGEN OXIDES (NO_x), CARBON MONOXIDE (CO)/ NO SPECIAL MEASURES REQUIRED

6. ACCIDENTAL RELEASE MEASURES

- **PERSON-RELATED SAFETY PRECAUTIONS:** NOT REQUIRED.
- **MEASURES FOR ENVIRONMENTAL PROTECTION:** DO NOT ALLOW TO ENTER SEWERS/ SURFACE OR GROUND WATER.

- **MEASURES FOR CLEANING/ COLLECTING:** ABSORB WITH LIQUID-BINDING MATERIAL (SAND, DIATOMITE, ACID BINDERS, UNIVERSAL BINDERS, SAWDUST)
- **ADDITIONAL INFORMATION:** NO DANGEROUS SUBSTANCES ARE RELEASED.

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

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.

BREATHING EQUIPMENT: USE SUITABLE RESPIRATORY PROTECTIVE DEVICE ONLY WHEN AEROSOL OR MIST IS FORMED.

PROTECTION OF HANDS: PROTECTIVE GLOVES

EYE PROTECTION: GOGGLES RECOMMENDED DURING REFILLING.

9. PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION
FORM: LIQUID
COLOR: DARK BROWN
ODOR: CHARACTERISTIC
CHANGE IN CONDITION:
MELTING POINT/MELTING RANGE: UNDETERMINED
BOILING POINT/BOILING RANGE: UNDETERMINED
FLASH POINT: > 120°C (> 248°F)

AUTO IGNITING: PRODUCT IS NOT SELFIGNITING
DANGER OF EXPLOSION: PRODUCT DOES NOT REPRESENT AN EXPLOSION HAZARD.
VAPOR PRESSURE @ 20°C (68°F): 23 hpa (17 mm Hg)
DENSITY @ 20°C (68°F): 1.05-1.07 g/cm ³
pH-VALUE @ 20°C (68°F): 8.0-9.5 (NEAT)
SOLVENT CONTENT: ORGANIC SOLVENTS: 2% WATER: 45-50%
SOLIDS CONTENT: 43-47%

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: IRRITANT TO SKIN AND MUCOUS MEMBRANES.
- 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

GENERAL NOTES: WATER HAZARD CLASS 1 (GERMAN REGULATION) (SELF-ASSESSMENT): SLIGHTLY HAZARDOUS FOR WATER. DO NOT ALLOW UNDILUTED PRODUCT OR LARGE QUANTITIES OF IT TO REACH GROUND WATER, WATER COURSE OR SEWAGE SYSTEM.

13. DISPOSAL CONSIDERATIONS

PRODUCT

- **RECOMMENDATION:** DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

UNCLEANED PACKAGINGS

- **RECOMMENDATION:** DISPOSAL MUST BE MADE ACCORDING TO OFFICAL REGULATIONS.

14. TRANSPORT INFORMATION

- **DOT regulations:**

- **Hazard class:** -
- **Identification number:** Not Regulated

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **UN-Number:** Not applicable

- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

- **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.

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).

Code letter and hazard designation of product:

- Irritant

Risk phrases:

- Irritating to eyes, respiratory system and skin.

Safety phrases:

- Do not breathe gas/fumes/vapor/spray.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear suitable gloves.

National regulations

Technical instructions (air):

<i>CLASS</i>	<i>SHARE IN %</i>
<i>WATER</i>	<i>45-50</i>
<i>NK</i>	<i>3.0</i>

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.