



ND INDUSTRIES, INC.
1893 BARRETT ROAD
TROY, MICHIGAN 48084
 (248) 288-0000 Fax: (248) 288-0022
24 hr. EMERGENCY CHEMTREC:
1-800-424-9300

PRODUCT: ND Anti-Seize 907A
MSDS ID: ND1042
ORIG. DATE: 9/01/92
REV. DATE: 4/26/04
REV. DATE: 2/3/06
PREPARED BY: Chemical Safety

SECTION I -Material Identification and Information H: 1 F: 1 R: 0 PPE:C

| COMPONENTS | | CAS # | PERCENT % | OSHA PEL | ACGIH TLV | OTHER LIMITS RECOMMENDED |
|---------------------------|-----------|-------------|-----------|----------|-----------|--------------------------|
| Mineral oil | AS-00-76 | 64741-88-4 | 60-70 | 5 mg/M3 | 5 mg/M3 | as mist |
| Copper | AS-00-133 | 7440-50-8 | 10-15 | 1 mg/M3 | 1 mg/M3 | as dust |
| Aluminum | AS-00-135 | 7429-90-5 | 5-10 | 15 mg/M3 | 15 mg/M3 | as dust |
| Lithium soap | AS-00-75 | 4485-12-5 | 5-10 | n.e. | 2 mg/M3 | as dust |
| Silica (amorphous, fumed) | AS-00-78 | 112945-52-5 | 1-5 | n.e. | n.e. | 6mg/M3 dust |
| Graphite | AS-00-134 | 7782-42-5 | 1-5 | n.e. | n.e. | 10 mg/M3 dust |

All ingredients are listed on the TSCA Inventory. n.a.= not applicable / n.e.=not established

SECTION II -Physical and Chemical Characteristics

| | | |
|-----------------------------|---|----------------------------|
| BOILING POINT: | Not determined | VOC #/gal. : |
| VAPOR DENSITY: | Not determined air = 1 | DENSITY OF COATING: |
| VAPOR PRESSURE: | Not determined | |
| MELTING POINT: | n.a. | |
| SPECIFIC GRAVITY: | 1.06 water = 1 | |
| EVAPORATION RATE: | Not determined | |
| WATER REACTIVE: | No | |
| SOLUBILITY IN WATER: | Negligible | |
| APPEARANCE AND ODOR: | Viscous gray grease with slight petroleum odor. | |

SECTION III - Fire and Explosion Hazard Data

| | | |
|--|--|---------------------|
| FLASH POINT: | > 350°F | COC |
| AUTOIGNITION TEMPERATURE: | Not determined | |
| FLAMMABILITY LIMITS % IN AIR: | LEL: Not determined | UEL: Not determined |
| EXTINGUISHER MEDIA: | Use carbon dioxide, foam, and/or dry chemical. | |
| SPECIAL FIREFIGHTING PROCEDURES: | Wear NIOSH self contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode when fighting fires. Cool fire exposed containers with water. | |
| UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID: | Potential toxic fumes upon combustion. | |

MATERIAL SAFETY DATA SHEET

PRODUCT: ND Anti-Seize 907A

SECTION IV - Reactivity Hazard Data

STABILITY: **stable:** **unstable:**
HAZARDOUS POLYMERIZATION: **may occur:** **will not occur:**

CONDITIONS TO AVOID: Avoid conditions exceeding 200°F.

INCOMPATIBILITY: None.

HAZARDOUS DECOMPOSITION PRODUCTS: Potential toxic fumes upon combustion.

SECTION V - Health Hazard Data

PRIMARY ROUTES OF ENTRY: **INHALATION:** **INGESTION:** **SKIN ABSORPTION:**

EYE CONTACT: Contact with eye may cause irritation.

FIRST AID: Flush with generous amounts of water for 15 minutes lifting both upper and lower eyelids occasionally. Get medical attention.

SKIN CONTACT: prolonged skin contact may cause irritation.

FIRST AID: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. If irritation occurs, seek medical attention.

INHALATION: As provided not a likely hazard. Thermal decomposition can release toxic fumes.

FIRST AID: Remove individual to fresh air, seek medical attention.

INGESTION: Ingestion of this material could be harmful.

FIRST AID: Do not induce vomiting. Keep individual calm, get medical attention.

CHRONIC EFFECTS: Unknown

Carcinogenic: Not listed

MATERIAL SAFETY DATA SHEET

PRODUCT: ND Anti-Seize 907A

| Component | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------------------|----------------|----------------|-----------------|
| Mineral Oil | not determined | not determined | not determined |
| Copper | not determined | not determined | not determined |
| Aluminum | not determined | not determined | not determined |
| Graphite | not determined | not determined | not determined |
| Lithium Soap | not determined | not determined | not determined |
| Silica (amorphous, fumed) | not determined | not determined | not determined |

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: Work in a well ventilated area.

PROTECTIVE GLOVES: Use vinyl or rubber.

EYE PROTECTION: Wear approved chemical safety glasses.

VENTILATION TO BE USED: LOCAL EXHAUST: **X** MECHANICAL: SPECIFIC:
OTHER (specify):

PROTECTIVE CLOTHING AND EQUIPMENT: Wear impervious clothing to prevent repeated or prolonged skin contact.

HYGIENIC WORK PRACTICES: Practice good personal hygiene, and wash hands after using product.

SECTION VII - Precautions for Safe Handling and Spill/Leak Procedures

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Absorb material on inert filler, vermiculite, floor absorb, or other absorbent material. Transfer to ventilated area and dispose of properly.

WASTE DISPOSAL METHODS: Dispose of material in accordance with local, state, and federal regulations.

SAFE HANDLING AND STORAGE: Wear impervious clothing to prevent prolonged, repeated exposure. Keep product container sealed when not in use. Containers of this product may be hazardous when emptied, since containers retain product residue. Observe all precautions.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

n.a.

RECOMMENDED NFPA/HMIS RATING

HEALTH 1

FLAMMABILITY 1

REACTIVITY 0

PERSONAL PROTECTION C

note: ratings may differ according to application, environment, and physical state.

MATERIAL SAFETY DATA SHEET

PRODUCT: ND Anti-Seize 907A

NOTES:

DOT Proper Shipping Name:
not regulated by any means of transport unless determined to be a waste

SECTION 313 SUPPLIER NOTIFICATION

Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

| <u>CAS #</u> | <u>CHEMICAL NAME</u> | <u>% BY WEIGHT</u> |
|--------------|----------------------|--------------------|
| 7440-50-8 | Copper | 11 |

This product contains the following materials that under California Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986 are recognized to cause cancer or reproductive toxicity.

| <u>Material</u> | <u>CAS #</u> | <u>Concentration %</u> | <u>Cancer Agent</u> | <u>Reproductive Toxin</u> | <u>cancer agent & Reproductive Toxin</u> |
|-----------------|--------------|------------------------|---------------------|---------------------------|--|
| None | | | | | |

The information contained herein is based on the data available to us and is believed to be correct. However, ND Industries®, Inc. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their properties prior to use. Since conditions of use are beyond our control, all risks are assumed by the user.