



MATERIAL SAFETY DATA SHEET

Prepared in accordance with ISO 11014-1/ ANSI standard
Z400.1-2004

Revision Date: 6/27/2011
MSDS No.: ND1044

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 9072 Nickel Anti-seize Compound

Synonyms: 907N Anti-seize

Use of the Substance/Preparation: Lubricant

Supplier:

ND Industries, Inc.
1893 Barrett Road
Troy, Michigan 48084
Tel: (248) 288-0000
Fax: 248) 288-0022

Emergency Telephone Number: 24 hr. EMERGENCY CHEMTREC
1-800-424-9300

2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW-
CAUTION:**

May cause mechanical eye irritation. Avoid eye contact.
May cause skin irritation in contact with open wounds. May
cause skin sensitization upon prolonged or repeated skin
contact. Avoid skin contact.

Principle Routes of Exposure:

Skin.

POTENTIAL HEALTH EFFECTS:

Eye Contact:
Skin Contact:

May cause mechanical eye irritation.
May cause slight skin irritation. Avoid contact with open
wounds.

Inhalation:

Not expected to a route of exposure under normal industrial
use conditions, unless used at high temperatures where the
grease will burn off. Fumes may cause irritation.

Ingestion:

Not expected to be route of entry under normal industrial use
conditions. Not expected to cause acute reaction.

Carcinogenic Effects:

Contains nickel. Nickel powder and nickel oxide have been
shown to Cause tumors at the site of injection in rodents.
However, studies of nickel containing prostheses do not
suggest a significant risk to humans. Prolonged and
repeated skin contact with metallic nickel can cause nickel
sensivity resulting in allergic skin rashes. IARC has
concluded that nickel and certain nickel compounds were
probable human carcinogens. IARC could not state with any
certainty which forms of nickel are probable carcinogens.
Epidemiological studies of workers exposed to dust and
fume, generated in the production of nickel alloys, and of

stainless steel, have not indicated the presence of a significant respiratory cancer hazard.

Target Organ Effects: No data available.

Medical Conditions Aggravated by Exposure: No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	EINECS Number	Weight %	EU Classification
Nickel	7740-02-2	231-111-4	18-30	T: R40; R43; R48/23; R52/53
Aluminum	7429-90-5	231-072-3	1-5	F: R11; R15

4. FIRST AID MEASURES

Skin Contact: Wash affected area with plenty of soap and water. Use a nail brush to clean under nails. Remove contaminated clothing. Launder before reuse. If irritation develops seek medical attention.

Eye Contact: Do not rub eyes. Flush with plenty of water for 15 minutes, lifting the eyelids. If irritation persists seek medical attention.

Inhalation: Remove to fresh air. If symptoms persist, or you feel unwell, seek medical attention.

Ingestion: DO NOT induce vomiting. Contains petroleum oil that could be aspirated into the lungs. Seek immediate medical attention.

5. FIRE AND IGNITION INFORMATION

Flash Point >450°F.

Explosion Limits in Air – Upper (%): Not established.

Explosion Limits in Air – Lower (%): Not established.

Auto-ignition Temperature: Not established.

Extinguishing Media: Foam, Carbon dioxide, or Dry chemical.

Special Protective Equipment for Firefighters: Fire fighters should wear full protective gear including self contained breathing apparatus.

Specific Hazards: This compound will not burn unless pre-heated. Water fog may be used to cool containers. Do not use direct water spray as frothing may occur.

Hazardous Decomposition and/or Combustion Products: Dense smoke and noxious or toxic fumes may be generated in a fire.

Risk of Dust Explosion: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Because of the grease like nature, this product is not expected to leak or spill.

Methods for Cleaning Up: Scoop back into container.

Environmental Precautions: Do not allow this product into drains, sewers, rivers or other water courses.

7. HANDLING AND STORAGE

Handling: Wear appropriate personal protective equipment.
Storage: Store away from strong oxidizers or peroxides. Keep away from children. Do not transfer to an unmarked container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Exposure limits for those components with limits are stated below.

Nickel (as powder or fume): US OSHA PEL: 1 mg/m³
US ACGIH – TLV: 1 mg/m³

Aluminum (as dust): US OSHA PEL: 5 mg/m³
US ACGIH – TLV: 5 mg/m³

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

US ACGIH: United States American Conference of Governmental Industrial Hygienists

US OSHA: United States Occupational Safety and Health Administration

ENGINEERING CONTROLS

Work in a well ventilated location. Use localized exhaust if working with this product at high temperatures, where smoke or fumes are generated.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Wear NIOSH approved respiratory protection if engineering controls are unable to maintain exposure below recommended limits.

Hand Protection: Wear chemical resistant gloves appropriate to the task. Wear gloves if hand wounds are present.

Eye Protection: Wear safety glasses.

Skin and Body Protection: Wear skin protection appropriate for the task.

Other: Do not smoke or eat while using this product. Wash hands after using this product, and before eating, drinking, smoking or using the lavatory.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Nickel colored paste.
Odor: Grease like odor.
pH Not applicable.
Vapor Pressure: Not established.
Boiling Point/Range: Not applicable.
Melting Point/Range: Not applicable.
Water Solubility: Nil.
Specific Gravity: 1.2
% Volatile (by Volume): Zero
Evaporation Rate: Zero

10. STABILITY AND REACTIVITY

Stability: Stable.

Product Name: Nickel Anti-seize Compound Product Code: 9072 Revision Date: 6/27/2011

Hazardous Polymerization: Will not occur.
Mechanical Sensitivity (shock): Not applicable.
Conditions to Avoid: Do not store near strong oxidizers or peroxides.
Hazardous Decomposition and/or Combustion Products: Noxious or toxic fumes may be generated, some of which may be irritating.

11. TOXICOLOGICAL INFORMATION

No data available on product itself.

12. ECOLOGICAL INFORMATION

No data available on product itself.

13. DISPOSAL CONSIDERATIONS

Disclaimer: Information in this section pertains to the product as shipped in its intended composition as described in Section 2 of this MSDS. Contamination or processing may change waste characteristics and requirements. Regulations may also apply to empty containers, liners or rinsate. State/provincial and local regulations may be different from federal regulations.

RCRA Classification (40 CFR 261): Dispose of in accordance with all applicable federal, state and local regulations.

14. TRANSPORTATION INFORMATION

DOT: Unrestricted.

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on or exempt from the following inventories:

(yes) - United States Toxic Substances Control Act (TSCA) Inventory

U.S. Federal Regulations

TSCA 12(b) Export Notification: None

Clean Air Act amendments of 1990 (CAA, Section 11240: CFR 82): None

Clean Water Act (CWA, 40 CFR 116): None

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, 40 CFR 302): Contains nickel.

Superfund Amendments and Reauthorization Act, Title III (SARA):

SARA Section 302 (40 CFR 355) Extremely Hazardous Substances: None.

SARA Section 311/312 (40 CFR 370) Hazard Category: None.

SARA Section 313 (40 CFR 372) Toxics Release Inventory: Contains nickel and aluminum.

Pharmaceutical Information: No data available.

U.S. State Regulations

California Proposition 65: This product contains or may contain chemical(s) known to the State of

California to cause cancer or reproductive effects.

16. OTHER INFORMATION

HMIS Rating

HMIS Index: *- chronic, 0 – Minimal, 1 – slight, 2- moderate, 3 – serious, 4 –severe

Health: *1

Flammability: 1

Physical Hazard: 0

Prepared by: ND Industries, Inc. – Safety, Health and Environmental Affairs
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