

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/24/2026

Reviewed on 07/24/2026

1 Identification

- Product identifier

- **Trade name:** ND Anti-Seize

- **Synonyms:** 917N Anti-Seize - Applied

- Other means of identification

- **Part number:** 917N - Applied

- **Application of the substance / the mixture** Lubricant

- Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

ND Industries, a subsidiary of H.B. Fuller Company
1000 North Crooks Road
Clawson, MI 48017
USA
Telephone: +1-248-288-0000
Email: nd-info@hbfuller.com
Websites: www.ndindustries.com | www.vibra-tite.com

- **Information department:** Product Safety Department

- Emergency telephone number:

United States: 1-800-424-9300
International: +1-703-527-3887

* 2 Hazard(s) identification

- Classification of the substance or mixture



GHS08 Health hazard

Carcinogenicity 2

H351 Suspected of causing cancer. Route of exposure: Inhalation.

Specific target organ toxicity (repeated exposure) 1

H372 Causes damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.



GHS07

Eye irritation 2A

H319 Causes serious eye irritation.

Sensitization - skin 1

H317 May cause an allergic skin reaction.

- Label elements

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard pictograms



GHS07 GHS08

- **Signal word** Danger

- Hazard-determining components of labeling:

Nickel

- Hazard statements

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer. Route of exposure: Inhalation.

H372 Causes damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.

- Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing must not be allowed out of the workplace.

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P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P280	Wear protective gloves.
P280	Wear eye protection / face protection.
P302+P352	If on skin: Wash with plenty of water.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment (see on this label).
P337+P313	If eye irritation persists: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Other hazards

- Results of PBT and vPvB assessment

- **PBT:** Not applicable
- **vPvB:** Not applicable

- Classification according to (d)(1)(ii) of § 1910.1200

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

- Hazards not otherwise classified

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

3 Composition/information on ingredients

- Chemical characterization: Mixtures

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:

CAS: 7440-02-0	Nickel	65 – 85%
	Flammable solids 2, H228; Carcinogenicity 2, H351; Specific target organ toxicity (repeated exposure) 1, H372; Sensitization - skin 1, H317	
CAS: 7782-42-5	Graphite	10 – 30%
	Eye irritation 2A, H319	
	Preservative	0.5 – 1.5%
	Eye irritation 2B, H320	

4 First-aid measures

- Description of first aid measures

- General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.

- After eye contact: Rinse opened eye for several minutes under running water.

- After swallowing: If symptoms persist consult doctor.

- Most important symptoms and effects, both acute and delayed

No further relevant information available.

- Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

- Extinguishing media

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

- Special hazards arising from the substance or mixture

No further relevant information available.

- Advice for firefighters

- Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Wear protective clothing.

- Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

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- Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.

- Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

- **Information about protection against explosions and fires:** No special measures required.

- Conditions for safe storage, including any incompatibilities

- 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.

- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- Control parameters

- Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

CAS: 7440-02-0 Nickel

PEL	Long-term value: 1 mg/m ³
REL	Long-term value: 0.015 mg/m ³ as Ni; See Pocket Guide App. A
TLV	Long-term value: 1.5* mg/m ³ elemental, *inhalable fraction, A5, BEI

- Ingredients with biological limit values:

CAS: 7440-02-0 Nickel

BEI	5 µg/L Medium: urine Time: post-shift at end of workweek Parameter: Nickel (background)
	30 µg/L Medium: urine Time: post-shift at end of workweek Parameter: Nickel (background)

- **Additional information:** The lists that were valid during the creation were used as basis.

- Exposure controls

- **Appropriate engineering controls** No further data; see section 7.

- Personal protective equipment:

- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

- Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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Nitrile rubber, NBR

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Body protection: Protective work clothing

* 9 Physical and chemical properties

- Information on basic physical and chemical properties**- General Information****- Physical state**

Liquid

- Color:

Silver grey

- Odor:

Characteristic

- Odor threshold:

Not determined

- Melting point/Melting range:

Undetermined

- Boiling point/Boiling range:

≥ 2,730 °C (≥ 36.930 °F)

- Flammability:

Not applicable

- Explosion limits:**- Lower:**

Not determined

- Upper:

Not determined

- Flash point:

Not applicable

- Decomposition temperature:

Not determined

- pH-value:

Not determined

- Viscosity:**- Kinematic:**

Not determined

- Dynamic:

Not determined

- Solubility in / Miscibility with**- Water:**

Not miscible or difficult to mix.

- Partition coefficient (n-octanol/water):

Not determined

- Vapor pressure:

Not determined

- Vapor pressure:**- Density at 20 °C (68 °F):**~ 7.58808 – ~ 7.64208 g/cm³ (~ 63.32253 – ~ 63.77316 lbs/gal)**- Relative density**

Not determined

- Vapor density

Not determined

- Particle characteristics

Not applicable

- Other information**- Appearance:****- Form:**

Pasty

- Important information on protection of health and environment, and on safety.**- Ignition temperature:**

Product is not selfigniting.

- Danger of explosion:

Product does not present an explosion hazard.

- Solvent content:**- Water:**

3.2 %

- VOC content:

0.00 %

0.0 g/l / 0.00 lb/gal

- Solids content:

82.1 %

- Change in condition**- Evaporation rate**

Not determined

10 Stability and reactivity

- Reactivity No further relevant information available.**- Chemical stability****- Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**- Possibility of hazardous reactions** No dangerous reactions known.**- Conditions to avoid** No further relevant information available.**- Incompatible materials:** No further relevant information available.**- Hazardous decomposition products:** No dangerous decomposition products known.

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*11 Toxicological information

- Information on toxicological effects

- Acute toxicity:

- LD/LC50 values that are relevant for classification:

Preservative

Oral LD50 2,700 mg/kg (rat)

- Primary irritant effect:

- **on the skin:** No irritant effect.- **on the eye:** No irritating effect.- **Sensitization:** Sensitization possible through skin contact.

- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Interactive effects** No interactive effects between components are known.

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

CAS: 7440-02-0 Nickel

2B

CAS: 9002-89-5 Intermediate copolymer

3

- NTP (National Toxicology Program)

CAS: 7440-02-0 Nickel

R

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

- **Alternative sources for toxicological information** No non-standard sources for toxicological information were used.

12 Ecological information

- Toxicity

- **Aquatic toxicity:** No further relevant information available.- **Persistence and degradability** No further relevant information available.- **Bioaccumulative potential** No further relevant information available.- **Mobility in soil** No further relevant information available.

- Results of PBT and vPvB assessment

- **PBT:** Not applicable- **vPvB:** Not applicable

- Other adverse effects

- Additional ecological information:

- General notes:

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- Waste treatment methods

- **Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:

- **Recommendation:** Disposal must be made according to official regulations.

*14 Transport information

- UN-Number

- DOT, IMDG, IATA

UN3082

- UN proper shipping name

- DOT

Environmentally hazardous substance, liquid, n.o.s. (Nickel powder)

- IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nickel powder), MARINE POLLUTANT

- IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nickel powder)

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- Transport hazard class(es) - DOT, IMDG, IATA  - Class - Label		9 Miscellaneous dangerous substances and articles 9
- Packing group - DOT, IMDG, IATA		III
- Environmental hazards: - Marine pollutant: - Special marking (IATA):		Product contains environmentally hazardous substances: Nickel powder No Yes (DOT) Symbol (fish and tree) Symbol (fish and tree)
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		Not applicable
- Transport/Additional information: - DOT - Quantity limitations - Remarks:		On passenger aircraft/rail: No limit On cargo aircraft only: No limit Special marking with the symbol (fish and tree).
- IMDG - Limited quantities (LQ) - Excepted quantities (EQ)		5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- Special precautions for user - Hazard identification number (Kemler code): - EMS Number: - Stowage Category		Warning: Miscellaneous dangerous substances and articles 90 F-A,S-F A
- UN "Model Regulation":		UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (NICKEL POWDER), 9, III

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture - Sara - Section 355 (extremely hazardous substances): None of the ingredients is listed.	
- Section 313 (Specific toxic chemical listings): CAS: 7440-02-0 Nickel Preservative CAS: 3251-23-8 copper dinitrate	
- TSCA (Toxic Substances Control Act): All components have the value ACTIVE.	
- Hazardous Air Pollutants None of the ingredients is listed.	
- Proposition 65 - Chemicals known to cause cancer: CAS: 7440-02-0 Nickel	
- Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.	
- Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.	

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- Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

- Carcinogenic categories

- EPA (Environmental Protection Agency)

None of the ingredients is listed.

- TLV (Threshold Limit Value)

CAS: 7440-02-0 Nickel

A5

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

CAS: 7440-02-0 Nickel

- **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.

- **Department issuing SDS:** H.B. Fuller Company | ND Industries Health and Environmental Affaires

- **Contact:** Safety, Health and Environmental Affaires

- Classification System:

- HMIS-ratings (scale 0 - 4)

HEALTH	2	Health = 2
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

- NFPA ratings (scale 0 - 4)

Health = 2
Fire = 0
Reactivity = 0

- **Date of previous version** 02/22/2024

- **Version number of previous version:** 13

- **Date of preparation** 07/24/2026

- Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 BEI: Biological Exposure Limit
 Flammable solids 2: Flammable solids – Category 2
 Eye irritation 2A: Serious eye damage/eye irritation – Category 2A
 Eye irritation 2B: Serious eye damage/eye irritation – Category 2B
 Sensitization - skin 1: Skin sensitisation – Category 1
 Carcinogenicity 2: Carcinogenicity – Category 2
 Specific target organ toxicity (repeated exposure) 1: Specific target organ toxicity (repeated exposure) – Category 1

- *** Data compared to the previous version altered.**

- Disclaimer

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