

Safety Data Sheet acc. to OSHA HCS

Date of issue: 07/27/2026

Reviewed on 07/27/2026

1 Identification

- Product identifier

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

- **Synonyms:** 957 Anti-Seize - High Temperature - Applied

- Other means of identification

- **Part number:** 957 - 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 1A

H350 May cause cancer.

Reproductive toxicity 2

H361 Suspected of damaging fertility or the unborn child.

Specific target organ toxicity (repeated exposure) 1 H372 Causes damage to organs through prolonged or repeated exposure.

- Label elements

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

- Hazard pictograms



GHS08

- **Signal word** Danger

- Hazard-determining components of labeling:

Crystalline Silica

Surfactant

- Hazard statements

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

- 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.

P264 Wash thoroughly after handling.

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

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

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

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/27/2026

Reviewed on 07/27/2026

Trade name: ND Anti-Seize

(Contd. of page 1)

- **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: 12001-26-2	Mica		10 – 30%
CAS: 1332-58-7	Kaolin		0.5 – 1.5%
CAS: 14808-60-7	Crystalline Silica	Carcinogenicity 1A, H350; Specific target organ toxicity (repeated exposure) 1, H372	0.5 – 1.5%
	Surfactant	Reproductive toxicity 2, H361	0.1 – 1%

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; consult doctor in case of complaints.

- **After skin contact:** Generally the product does not irritate the skin.

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

- **After swallowing:** Immediately call a 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.

- **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.

- **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.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/27/2026

Reviewed on 07/27/2026

Trade name: ND Anti-Seize

(Contd. of page 2)

8 Exposure controls/personal protection

- Control parameters

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

At this time, the remaining constituent has no known exposure limits.

CAS: 12001-26-2 Mica

PEL	Long-term value: 20 mppcf ppm <1% crystalline silica
REL	Long-term value: 3* mg/m ³ *respirable dust; containing < 1% quartz
TLV	Long-term value: 0.1 mg/m ³ *Respirable particulate matter

CAS: 1332-58-7 Kaolin

PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 2* mg/m ³ E; respirable particulate matter, A4

CAS: 14808-60-7 Crystalline Silica

PEL	Long-term value: 0.05* mg/m ³ *resp. dust; 30mg/m ³ /SiO ₂ +2
REL	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m ³ *respirable particulate matter, A2

- **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.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

- 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.
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

Solid

- Color:

White

- Odor:

Characteristic

- Odor threshold:

Not determined

- Melting point/Melting range:

Undetermined

- Boiling point/Boiling range:

Undetermined

- Flammability:

Not determined

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/27/2026

Reviewed on 07/27/2026

Trade name: ND Anti-Seize

(Contd. of page 3)

- Explosion limits:	
- Lower:	Not determined
- Upper:	Not determined
- Flash point:	100 °C (212 °F)
- Decomposition temperature:	Not determined
- pH-value:	Not applicable
- Viscosity:	
- Kinematic:	Not applicable
- Dynamic:	Not applicable
- Solubility in / Miscibility with	
- Water:	Insoluble.
- Partition coefficient (n-octanol/water):	Not determined
- Vapor pressure at 20 °C (68 °F):	≤ 30 hPa (≤ 22.5 mm Hg)
- Vapor pressure:	
- Density at 20 °C (68 °F):	~ 1.52491 g/cm ³ (~ 12.72537 lbs/gal)
- Relative density	Not determined
- Vapor density	Not applicable
- Particle characteristics	Not determined
- Other information	
- Appearance:	
- Form:	Viscous
- 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:	
- Organic solvents:	0.0 %
- Water:	2.3 %
- VOC content:	0.00 %
- Solids content:	21.6 %
- Change in condition	
- Evaporation rate	Not applicable.

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.

* 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

Surfactant

Oral LD50 > 10,000 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

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

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

- **Carcinogenic categories**

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

CAS: 14808-60-7 Crystalline Silica

1

CAS: 13463-67-7 titanium dioxide

2B

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/27/2026

Reviewed on 07/27/2026

Trade name: ND Anti-Seize

(Contd. of page 4)

CAS: 111-76-2	2-butoxyethanol	3
- NTP (National Toxicology Program)		
CAS: 14808-60-7	Crystalline Silica	K
- OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		
- Alternative sources for toxicological information No non-standard sources for toxicological information where 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 1 (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

- **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, ADN, IMDG, IATA	not regulated
- UN proper shipping name	
- DOT, ADN, IMDG, IATA	not regulated
- Transport hazard class(es)	
- DOT, ADN, IMDG, IATA	
- Class	not regulated
- Packing group	
- DOT, IMDG, IATA	not regulated
- Environmental hazards:	
- Marine pollutant:	No
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
- Special precautions for user	Not applicable
- UN "Model Regulation":	not regulated

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: 111-76-2	2-butoxyethanol
CAS: 3251-23-8	copper dinitrate
- TSCA (Toxic Substances Control Act):	
All components have the value ACTIVE.	

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/27/2026

Reviewed on 07/27/2026

Trade name: ND Anti-Seize

(Contd. of page 5)

- Hazardous Air Pollutants		
None of the ingredients is listed.		
- Proposition 65		
- Chemicals known to cause cancer:		
	Acrylic copolymer	
CAS: 14808-60-7	Crystalline Silica	
- Chemicals known to cause reproductive toxicity for females:		
Acrylic copolymer		
- Chemicals known to cause reproductive toxicity for males:		
Acrylic copolymer		
- Chemicals known to cause developmental toxicity:		
Acrylic copolymer		
- Carcinogenic categories		
- EPA (Environmental Protection Agency)		
	Boron nitride	I (oral)
CAS: 111-76-2	2-butoxyethanol	NL
- TLV (Threshold Limit Value)		
CAS: 1332-58-7	Kaolin	A4
CAS: 14808-60-7	Crystalline Silica	A2
CAS: 13463-67-7	titanium dioxide	A4
CAS: 111-76-2	2-butoxyethanol	A3
CAS: 107-22-2	glyoxal	A4
- NIOSH-Ca (National Institute for Occupational Safety and Health)		
CAS: 14808-60-7	Crystalline Silica	
CAS: 13463-67-7	titanium dioxide	
- 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	0	Health = *0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- NFPA ratings (scale 0 - 4)

0	1	0
Health = 0	Fire = 1	Reactivity = 0

- Date of previous version 01/16/2025

- Version number of previous version: 3

- Date of preparation 07/27/2026

- 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
 Carcinogenicity 1A: Carcinogenicity – Category 1A
 Reproductive toxicity 2: Reproductive toxicity – Category 2
 Specific target organ toxicity (repeated exposure) 1: Specific target organ toxicity (repeated exposure) – Category 1

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/27/2026

Reviewed on 07/27/2026

Trade name: ND Anti-Seize

(Contd. of page 6)

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

IMPORTANT: Information, specifications, procedures and recommendations provided ("information") are based on our experience and we believe this to be accurate. No representation, guarantee or warranty is made as to the accuracy or completeness of the information, or that use of the product will avoid losses or damages or give desired results. It is user's sole responsibility to test and determine the suitability of any product for the intended use. Tests should be repeated if materials or conditions change in any way. The user is advised to review the specific context of the intended use to determine whether the user's intended use violates any law or infringes upon any patent(s). No employee, distributor or agent has any right to change these facts and offer a guarantee of performance.

H.B. Fuller, ND, ND Industries, and Vibra-TITE are registered trademarks of the H. B. Fuller Company.