SAFETY DATA SHEET INFORMATION

RIDGID Product Name:	RIDGID Anti-Seize Grease
RIDGID Product Catalog No.:	48883
Vendor Name:	ND INDUSTRIES
Vendor Product Name:	Vibra-Tite 9072 Nickel Anti-Seize
Use in RIDGID Products:	Used with RIDGID Model B-500 Beveller cutter head insert screws
Restrictions on Use:	NA

SDS Information – See following sheets for manufacturer SDS

Ridge Tool Contact Information:

North America	Australia	Europe
Ridge Tool Company 400 Clark Street Elyria, Ohio 44035-6001 1-800-519-3456 www.RIDGID.com	Ridge Tool Australia 127 Metrolink Circuit Campbellfield, VIC 3061 1-800-743-443 www.RIDGID.com.au	Ridge Tool Europe NV (RIDGID) Schurhovenveld 4820 3800 Sint-Truiden, Belgium +32 (0) 11 598 640 www.RIDGID.eu

Operating Standard:	6-311
Issue Date:	30 April 2015
Revision:	A

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Safety Data Sheet
acc. to OSHA HCS

Printing date 04/30/2015 *Reviewed on 04/30/2015*

* 1 Identification

- ***Product identifier***
  - ***Trade name:*** Vibra-TITE® Anti-Seize
    - ***Synonyms:*** 9072 Nickel Anti-Seize
    - ***Part number:*** VT9072
  - ***Relevant identified uses of the substance or mixture*** Threaded connection or slide aniti-seize and lubrication
- ***Details of the supplier of the safety data sheet***
  - ***Manufacturer/Supplier:***

ND Industries, Inc
1000 North Crooks Road
Clawson, MI 48017
USA
Telephone: +1-248-288-0000
Email: info@ndindustries.com
Website: www.ndindustries.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

Carc. 2	H351	Suspected of causing cancer.



GHS07

Skin Irrit. 2	H315	Causes skin irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Eye Irrit. 2B	H320	Causes eye irritation.

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



GHS07 GHS08

    - ***Signal word*** Warning
    - ***Hazard-determining components of labeling:***

nickel powder (particle diameter < 1 mm)

    - ***Hazard statements***

H315+H320	Causes skin and eye irritation.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.

    - ***Precautionary statements***

P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P280	Wear protective gloves.
P264	Wash thoroughly after handling.
P201	Obtain special instructions before use.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363	Wash contaminated clothing before reuse.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	If on skin: Wash with plenty of water.
P405	Store locked up.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- ***Classification system:***
  - ***NFPA ratings (scale 0 - 4)***



Health = 3
Fire = 0
Reactivity = 0

  - ***HMIS-ratings (scale 0 - 4)***



Health = *3
Fire = 0
Reactivity = 0

- ***Other hazards***
  - ***Results of PBT and vPvB assessment***
    - ***PBT:*** Not applicable.
    - ***vPvB:*** Not applicable.

* 3 Composition/information on ingredients

- ***Chemical characterization: Mixtures***
  - ***Description:*** Mixture of the substances listed below with nonhazardous additions.
  - ***Dangerous components:***

7440-02-0	nickel powder (particle diameter < 1 mm)	20-30%

* 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.
  - ***Information for 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:***
    CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- ***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 item 13.
  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

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

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- ***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.

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8 Exposure controls/personal protection

- ***Additional information about design of technical systems:*** No further data; see item 7.
- ***Control parameters***

- ***Components with limit values that require monitoring at the workplace:***	
7440-02-0 nickel powder (particle diameter < 1 mm)	
PEL	Long-term value: 1 mg/m³
REL	Long-term value: 0.015 mg/m³ as Ni; See Pocket Guide App. A
TLV	Long-term value: 1.5* mg/m³ elemental, *inhalable fraction

  - ***Additional information:*** The lists that were valid during the creation were used as basis.
- ***Exposure controls***
  - ***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.
    - ***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.
      - ***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.
    - ***Eye protection:*** Not required.
    - ***Body protection:*** Protective work clothing

*
9 Physical and chemical properties

- ***Information on basic physical and chemical properties***	
- ***General Information***	
- ***Appearance:***	
- ***Form:***	Pasty
- ***Color:***	Silver grey
- ***Odor:***	Characteristic
- ***Odour threshold:***	Not determined.
- ***pH-value:***	Not applicable.
- ***Change in condition***	
- ***Melting point/Melting range:***	Undetermined.
- ***Boiling point/Boiling range:***	Undetermined.
- ***Flash point:***	Not applicable.
- ***Flammability (solid, gaseous):***	Not determined.
- ***Ignition temperature:***	
- ***Decomposition temperature:***	Not determined.
- ***Auto igniting:***	Product is not selfigniting.
- ***Danger of explosion:***	Product does not present an explosion hazard.

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- ***Explosion limits:***	
- ***Lower:***	Not determined.
- ***Upper:***	Not determined.
- ***Vapor pressure:***	Not applicable.
- ***Density:***	Not determined.
- ***Relative density***	Not determined.
- ***Vapour density***	Not applicable.
- ***Evaporation rate***	Not applicable.
- ***Solubility in / Miscibility with***	
- ***Water:***	Insoluble.
- ***Partition coefficient (n-octanol/water):***	Not determined.
- ***Viscosity:***	
- ***Dynamic:***	Not applicable.
- ***Kinematic:***	Not applicable.
- ***Solvent content:***	
- ***Organic solvents:***	0.0 %
- ***Solids content:***	45.0 %
- ***Other information***	No further relevant information available.

10 Stability and reactivity

- ***Reactivity***
  - ***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:***
    - ***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

- ***Carcinogenic categories***

	- ***IARC (International Agency for Research on Cancer)***	
7440-02-0	nickel powder (particle diameter < 1 mm)	1
	- ***NTP (National Toxicology Program)***	
7440-02-0	nickel powder (particle diameter < 1 mm)	R
	- ***OSHA-Ca (Occupational Safety & Health Administration)***	
None of the ingredients is listed.		

12 Ecological information

- ***Toxicity***
  - ***Aquatic toxicity:*** No further relevant information available.
- ***Persistence and degradability*** No further relevant information available.
- ***Behavior in environmental systems:***
  - ***Bioaccumulative potential*** No further relevant information available.
  - ***Mobility in soil*** No further relevant information available.
- ***Additional ecological information:***
  - ***General notes:*** Not known to be hazardous to water.
- ***Results of PBT and vPvB assessment***
  - ***PBT:*** Not applicable.
  - ***vPvB:*** Not applicable.

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- ***Other adverse effects*** No further relevant information available.

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
- ***Special precautions for user***	Not applicable.
- ***Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code***	Not applicable.
- ***UN "Model Regulation":***	-

* 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):***

7440-02-0	nickel powder (particle diameter < 1 mm)

- ***TSCA (Toxic Substances Control Act):***

All ingredients are listed.

- ***Proposition 65***
  - ***Chemicals known to cause cancer:***

7440-02-0	nickel powder (particle diameter < 1 mm)

- ***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.

- ***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 established by ACGIH)***

7440-02-0	nickel powder (particle diameter < 1 mm)	A5

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

7440-02-0	nickel powder (particle diameter < 1 mm)

- ***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.

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Trade name: Vibra-TITE® Anti-Seize

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- ***Department issuing SDS:*** ND Industries, Inc. - Safety, Health and Environmental Affaires
- ***Contact:*** Safety, Health and Environmental Affaires
- ***Date of preparation / last revision*** 04/30/2015 / 4
- ***Abbreviations and acronyms:***

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Carc. 2: Carcinogenicity, Hazard Category 2

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

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