



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 10/Mar/2017

Version: 1

Language: en-CA,US

Date of print: 13/Mar/2017

Anti-Seize ASN Assembly Paste

Material number 260500

Page: 1 of 8

1. Product and company identification

Product identifier

Trade name: Anti-Seize ASN Assembly Paste

Relevant identified uses of the substance or mixture and uses advised against

General use: Corrosion protection agent/Lubricating agent.
Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

Company name: WEICON Inc.
Street/POB-No.: 20 Steckle Place, Unit 20
Postal Code, city: Kitchener, Ontario N2E 2C3, CA
WWW: www.weicon.ca
E-mail: info@weicon.ca
Telephone: +1-519-896-5252
Telefax: +1-519-896-5254
Dept. responsible for information:
Product-Safety-Department
Telephone: +49(0)251 / 9322 - 0, Email: msds@weicon.de

Emergency phone number

EMERGENCY CONTACT – Canada (24h): Tel: ++1 866 928 0789 (Toll free)

Transport:

TRANSPORT EMERGENCY CONTACT - Canada (24h): Tel: ++1 866 928 0789 (Toll free)

2. Hazards identification

Emergency overview

Appearance: Form: pasty
Color: dark gray
Odor: characteristic
Classification: Sensitization - skin 1; Carcinogenicity 2;
Specific Target Organ Toxicity (Repeated Exposure) 1;

Hazard symbols:



Signal word:

Danger

Hazard statements:

May cause an allergic skin reaction.
Suspected of causing cancer.
Causes damage to organs through prolonged or repeated exposure.



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Precautionary statements: Keep out of reach of children.
Obtain special instructions before use.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection.
IF ON SKIN: Wash with plenty of water/soap.
IF exposed or concerned: Get medical advice/attention.
Specific treatment (see 'First aid' on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

Special danger of slipping by leaking/spilling product.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterisation: Mixture of the substances listed below with non-hazardous additions

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 7440-02-0	Nickel, powder	< 20 %	Sensitization - skin 1. Carcinogenicity 2. Specific Target Organ Toxicity (Repeated Exposure) 1. Aquatic toxicity - chronic 3.
CAS 7429-90-5	Aluminium powder (pyrophoric)	1 - 2.5 %	Flammable Solid 1.
CAS 26544-38-7	dihydro-3-(tetrapropenyl)furan-2,5-dione	1 - 2.5 %	Eye Irritation 2A. Sensitization - skin 1. Aquatic toxicity - chronic 4.

Additional information: Contains Graphite.
The maximum workplace exposure limits are, where necessary, listed in section 8.

4. First aid measures

General information: First aider: Pay attention to self-protection!
Take off immediately all contaminated clothing and wash it before reuse.

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention.

Following skin contact: Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek medical attention.



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Most important symptoms and effects, both acute and delayed

Causes damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction. vomiting, respiratory complaints.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

Information about base oil, approx. 240 °C (ISO 2591)

Auto-ignition temperature: not self-igniting

Suitable extinguishing media:

Water fog, extinguishing powder, alcohol resistant foam, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet

Specific hazards arising from the chemical

May form dangerous gases and vapours in case of fire.

Furthermore, there may develop: metal oxide smoke, aromatic hydrocarbons, carbon monoxide and carbon dioxide

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing. In case of fire and/or explosion do not breathe fumes.

Additional information:

Do not allow water used to extinguish fire to enter drains, ground or waterways.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

Personal precautions:

Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with the substance.

Wear respiratory protection when in the presence of vapor, dust, and aerosols.

If possible, eliminate leakage. Provide adequate ventilation.

Wear appropriate protective equipment. Keep away ignition sources. Keep unprotected people away.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains.

If necessary notify appropriate authorities.

Methods for clean-up:

Take up mechanically, placing in appropriate containers for disposal. Final cleaning.

7. Handling and storage

Handling

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse.

When handling large quantities, supply emergency spray. Keep unprotected people away. Obtain special instructions before use.

Precautions against fire and explosion:

Take standard precautions to prevent fire.



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Storage

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight.
Store containers in upright position. storage temperature: room temperature.

Hints on joint storage:

Do not store together with acids or oxidizing agents.
Keep away from food, drink and animal feedingstuffs.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7440-02-0	Nickel, powder	Canada, Alberta: OEL 8 hour	1.5 mg/m ³ metal
		Canada, BC: OEL TWA	0.05 mg/m ³
		Canada, Ontario: OEL TWA	1 mg/m ³ inhalable fraction (Metal)
		Canada, Québec: VEMP	1 mg/m ³ (Métal)
		USA: ACGIH: TWA	0.1 mg/m ³ (compounds, soluble; inhalable fraction)
		USA: ACGIH: TWA	0.2 mg/m ³ (compounds, insoluble; inhalable fraction)
7429-90-5	Aluminium powder (pyrophoric)	USA: ACGIH: TWA	1.5 mg/m ³ (metal, inhalable fraction)
		USA: NIOSH: TWA	0.015 mg/m ³
		USA: OSHA: TWA	1 mg/m ³ (Nickel and compounds)
		Canada, Alberta: OEL 8 hour	10 mg/m ³ (Metal Dust)
		Canada, Alberta: OEL 8 hour	5 mg/m ³ (Pyro powders, calculated as Al)
		Canada, BC: OEL TWA	1 mg/m ³
		Canada, Québec: VEMP	10 mg/m ³ Metals
		NIOSH: Ceiling	5 mg/m ³ (inhalable fraction)
		USA: ACGIH: TWA	1 mg/m ³
		USA: NIOSH: TWA	10 mg/m ³ (inhalable fraction)
USA: NIOSH: TWA	5 mg/m ³ (inhalable fraction)		
USA: OSHA: TWA	15 mg/m ³ (inhalable fraction)		
USA: OSHA: TWA	5 mg/m ³ (respirable fraction)		

Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010

Skin protection: Wear suitable protective clothing.

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: nitrile rubber

Layer thickness: 0.4 mm

Breakthrough time: 480 min



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Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

General hygiene considerations:
Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
Take off immediately all contaminated clothing and wash it before reuse.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.
When handling large quantities, supply emergency spray.
Obtain special instructions before use.

Environmental exposure controls

Do not allow to enter into ground-water, surface water or drains.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: pasty Color: dark gray
Odor:	characteristic
Odor threshold:	not determined
pH value:	No data available
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point/flash point range:	Information about base oil, approx. 240 °C (ISO 2591)
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	at 20 °C: 1.3 g/cm ³
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	not self-igniting
Thermal decomposition:	No decomposition when used properly.
Viscosity, kinematic: Explosive properties:	not determined
Ignition temperature:	not determined > 200 °C (estimated)
Additional information:	drop point/drop range: > 240 °C (IP 396)

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Reactions with acids, strong oxidizing agents.
Conditions to avoid:	Keep away from heat sources, sparks and open flames. Protect against direct sunlight.



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Incompatible materials: Strong oxidizing agents, acids.

Hazardous decomposition products:

Toxic gases/vapours.

Aromatic hydrocarbons, carbon monoxide and carbon dioxide.

Thermal decomposition: No decomposition when used properly.

11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Eye damage/irritation: Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Sensitization - skin 1 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Carcinogenicity 2 = Suspected of causing cancer.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Specific Target Organ Toxicity (Repeated Exposure) 1 = Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard: Lack of data.

Other information: Frequent contact, in particular after surface drying, may cause skin and eye irritations.

For carcinogenic effects:
Information about Nickel:
IARC Rating: Group 2B
OSHA Carcinogen: not listed
NTP Rating: listed

Symptoms

After contact with skin: Minor irritation effect - does not require labeling.

After eye contact: Minor irritation effect - does not require labeling.

General remarks

Further hazardous properties cannot be excluded.

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available



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Persistence and degradability

Further details: No data available

Additional ecological information

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation. Dispose of as hazardous waste.
Do not dispose of with household waste.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Handle contaminated packages in the same way as the substance itself.

14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Canada: Transportation of Dangerous Goods (TDG)

Shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - Canada

No data available



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National regulations - U.S. Federal Regulations

Nickel, powder:

TSCA Inventory: listed
 TSCA HPVC: not listed
 Carcinogen Status:
 IARC Rating: Group 2B
 OSHA Carcinogen: not listed
 NTP Rating: listed
 Clean Water Act:
 Priority Pollutant: yes
 Other Environmental Laws:
 CERCLA: RQ 100* lbs.
 RCRA Groundwater Monitoring: Methods 6010, 7520 / PQL 50, 400
 SARA Title III Section 313, Toxic Release: Conc. 0.1% / Threshold Standard
 NIOSH Recommendations:
 Occupational Health Guideline: 0445*

Aluminium powder (pyrophoric):

TSCA Inventory: listed
 TSCA HPVC: not listed
 Other Environmental Laws:
 SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard
 NIOSH Recommendations:
 Occupational Health Guideline: 0022

dihydro-3-(tetrapropenyl)furan-2,5-dione: TSCA Inventory: listed; EPA flags XU
 TSCA HPVC: not listed

National regulations - U.S. State Regulations

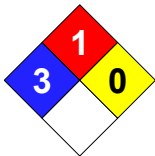
Nickel, powder:

California Proposition 65: cancer
 Rhode Island HSL: listed

16. Other information

Text for labeling: Contains < 20 % Nickel, powder, 1 - 2.5 % Aluminium powder (pyrophoric), 1 - 2.5 % dihydro-3-(tetrapropenyl)furan-2,5-dione. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:

Health: 3 (Serious)
 Fire: 1 (Slight)
 Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 3 (Serious) - Chronic effects
 Flammability: 1 (Slight)
 Physical Hazard: 0 (Minimal)
 Personal Protection: X = Consult your supervisor

HEALTH	*	3
FLAMMABILITY		1
PHYSICAL HAZARD		0
		X

Date of first version: 10/Mar/2017

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.