



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Jan/2/2017

Version: 3

Language: en-US

Date of print: Jan/10/2017

Anti-Seize Presspack

Material number 260001

Page: 1 of 9

1. Product and company identification

Product identifier

Trade name: Anti-Seize Presspack

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

General use: Sealant

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 – USA (24h): Tel: ++1 202 464 2554

Transport:

TRANSPORT EMERGENCY CONTACT - USA (24h): Tel: ++1 202 464 2554

2. Hazards identification

Emergency overview

Appearance: Form: Aerosol

Color: gray

Odor: like mineral oil

Classification: Compressed Gas; Eye Damage - Category 1; Sensitization - skin - Category 1;

Aquatic toxicity - acute - Category 1; Aquatic toxicity - chronic - Category 1;

Hazard symbols:



Signal word: **Danger**

Hazard statements: Contains gas under pressure; may explode if heated.

May cause an allergic skin reaction.

Causes serious eye damage.

Very toxic to aquatic life with long lasting effects.



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Precautionary statements: Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water/soap.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Specific treatment (see 'First aid' on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Collect spillage.
Protect from sunlight. Store in a well-ventilated place.
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

Higher doses may have a narcotic effect.
Exposure to temperatures exceeding 122 °F will increase pressure: resulting in danger of bursting or explosion.
Potentially explosive mixtures may form if adequate ventilation is not provided.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: preparation of thickener in a mixture of synthetic/mineral oils with additives compressed gas package

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 1305-62-0	Calcium hydroxide	< 10 %	Skin Irritation - Category 2. Eye Damage - Category 1. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 7440-50-8	Copper	< 5 %	Acute Toxicity - oral - Category 4. Aquatic toxicity - acute - Category 1. Aquatic toxicity - chronic - Category 2.
CAS 7429-90-5	Aluminium powder (pyrophoric)	< 5 %	Flammable Solid - Category 1.
CAS 1314-13-2	Zinc oxide	< 3.5 %	Aquatic toxicity - acute - Category 1. Aquatic toxicity - chronic - Category 1.
CAS -	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN <300	< 1 %	Sensitization - skin - Category 1.
CAS 811-97-2	1,1,1,2- TETRAFLUOROETHANE	1 - 10 %	Liquefied Gas.

4. First aid measures

In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing.
Seek medical attention.



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

Take off immediately all contaminated clothing and wash it before reuse.

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. Seek the attention of an ophthalmologist immediately.

After swallowing: Rinse mouth with water. Do not induce vomiting. Immediately get medical attention.

Most important symptoms/effects, acute and delayed

Causes serious eye damage. May cause an allergic skin reaction.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

(base oil) approx. > 338 °F (ISO 2592)

Auto-ignition temperature: not self-igniting

Suitable extinguishing media::

Alcohol resistant foam, dry chemical powder, water fog, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

Contains gas under pressure; may explode if heated. Danger of formation of toxic pyrolysis products.

May form dangerous gases and vapours in case of fire.

In case of fire may be liberated: Nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

In case of fire and/or explosion do not breathe fumes. Cool exposed containers with water spray. 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: Provide adequate ventilation. Do not breathe gas/vapor/spray. Avoid contact with the substance.

Eliminate all ignition sources if safe to do so. Wear appropriate protective equipment. Take off immediately all contaminated clothing and wash it before reuse. Keep unprotected people away.

Environmental precautions:

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

In case of release, notify competent authorities. Danger of explosion!

Methods for clean-up:

Take up mechanically, placing in appropriate containers for disposal.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Do not breathe gas/vapor/spray. Avoid contact with skin, eyes, and clothing. Wear appropriate protective equipment.

Take off immediately all contaminated clothing and wash it before reuse.



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Precautions against fire and explosion:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
Keep away from sources of ignition - No smoking.

Storage

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place.
Protect from moisture contamination. Protect from frost, heat and sunlight. Store at room temperature.

Hints on joint storage:

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

Further details:

Do not allow the product to enter the ground.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
1305-62-0	Calcium hydroxide	USA: ACGIH: TWA	5 mg/m ³
		USA: NIOSH: TWA	5 mg/m ³
		USA: OSHA: TWA	15 mg/m ³ inhalable fraction
		USA: OSHA: TWA	5 mg/m ³ (respirable fraction)
7440-50-8	Copper	USA: ACGIH: TWA	0.2 mg/m ³ Smoke
		USA: ACGIH: TWA	1 mg/m ³
			Dusts and mist calculated as Cu
		USA: NIOSH: TWA	1 mg/m ³
		USA: OSHA: TWA	0.1 mg/m ³ (Smoke; calculated as Cu)
7429-90-5	Aluminium powder (pyrophoric)	USA: OSHA: TWA	1 mg/m ³
			Dusts and mist calculated as Cu
		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)
1314-13-2	Zinc oxide	USA: OSHA: TWA	15 mg/m ³ (inhalable fraction)
		USA: OSHA: TWA	5 mg/m ³ (respirable fraction)
		NIOSH: Ceiling	15 mg/m ³ Dusts
		USA: ACGIH: STEL	10 mg/m ³ (respirable fraction)
		USA: ACGIH: TWA	2 mg/m ³ (respirable fraction)
		USA: NIOSH: STEL	10 mg/m ³ Smoke
		USA: NIOSH: TWA	5 mg/m ³ Dusts
		USA: NIOSH: TWA	5 mg/m ³ Smoke
		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.



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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: 60 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Respiratory protection:	The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!
General hygiene considerations:	Take off immediately all contaminated clothing and wash it before reuse. Avoid contact with the substance. Eye wash facility must be provided. Wash hands before breaks and after work. When using do not eat, drink or smoke.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: Aerosol Color: gray
Odor:	like mineral oil
Odor threshold:	not determined
pH value:	not determined
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point/flash point range:	(base oil) approx. > 338 °F (ISO 2592)
Evaporation rate:	No data available
Flammability:	not determined
Explosion limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Vapor pressure:	not determined
Vapor density:	No data available
Density:	at 68 °F: 1.2 g/cm ³ (active agent)
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not self-igniting
Thermal decomposition:	No data available
Explosive properties:	Product is not explosive. Exposure to temperatures exceeding 122 °F will increase pressure: resulting in danger of bursting or explosion.
Ignition temperature:	not determined

10. Stability and reactivity

Reactivity:	Contains gas under pressure; may explode if heated.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	No hazardous reaction when handled and stored according to provisions.
Conditions to avoid:	Protect from direct exposure to sunlight and temperatures exceeding 122 °F.



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Incompatible materials: Strong oxidizing agents, strong acids.

Hazardous decomposition products:

May form dangerous gases and vapours in case of fire.

In case of fire may be liberated: Nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

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. Minor irritation effect - does not require labeling.

Eye damage/irritation: Eye Damage - Category 1 = Causes serious eye damage.

Sensitisation to the respiratory tract: Lack of data.

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

Germ cell mutagenicity/Genotoxicity: Lack of data. No experimental indications of genotoxicity in-vitro exist.

Carcinogenicity: Lack of data. Longterm experiments do not indicate carcinogenic effects.

Reproductive toxicity: Lack of data. During animal experiments no indications of reproductive toxicity were observed.

Effects on or via lactation: Lack of data.

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

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

Aspiration hazard: Lack of data.

Symptoms

After contact with skin:

Frequently or prolonged contact with skin may cause dermal irritation.

General remarks

Handle in accordance with good industrial hygiene and safety practice.

12. Ecological information

Ecotoxicity

Aquatic toxicity: Very toxic to aquatic life with long lasting effects.

Mobility in soil

No data available

Persistence and degradability

Further details: No data available



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Additional ecological information

Volatile organic compounds (VOC):

0 % by weight

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

13. Disposal considerations

Product

Recommendation: Do not pierce or burn, even after use.
Special waste. Do not dispose of with household waste. Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Empty carefully and completely, if possible. Handle empty containers with care.
Incineration may cause explosion. Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

14. Transport information

USA: Department of Transportation (DOT)

Identification number: UN1950
Proper shipping name: UN 1950, AEROSOLS
Hazard class or Division: 2.2
Labels: 2.2
Packaging – Exceptions: 306
Packaging – Non-bulk: None
Packaging – Bulk: None
Quantity limitations – Passenger aircraft / rail: 75 kg
Quantity limitations – Cargo only: 150 kg
Vessel stowage – Location: A
Vessel stowage – Other: 25, 87, 126



Sea transport (IMDG)

UN number: UN 1950
Proper shipping name: UN 1950, AEROSOLS
Class or division, Subsidiary risk: Class 2.2, Subrisk-
Packing Group: -
EmS: F-D, S-U
Special provisions: 63, 190, 277, 327, 344, 381, 959
Limited quantities: 1000 mL
Excepted quantities: E0
Contaminated packaging - Instructions: P207, LP200
Contaminated packaging - Provisions: PP87, L2
IBC - Instructions: -
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: -
Tank instructions - Provisions: -
Stowage and handling: SW1 SW22
Segregation: SG69
Properties and observations: -
Marine pollutant: yes
Segregation group: none



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Air transport (IATA)

UN/ID number: UN 1950
Proper shipping name: UN 1950, AEROSOLS, non-flammable
Class or division, Subsidiary risk: Class 2.2
Hazard label: Non-flamm. gas
Excepted Quantity Code: E0
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg
Cargo Aircraft only: Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg
Special provisions: A98 A145 A167 A802
Emergency Response Guide-Code (ERG): 2L

15. Regulatory information

National regulations - U.S. Federal Regulations

Calcium hydroxide: TSCA Inventory: listed
TSCA HPVC: not listed
NIOSH Recommendations:
Occupational Health Guideline: 0092

Copper: TSCA Inventory: listed
TSCA HPVC: not listed
Clean Water Act:
Priority Pollutant: yes
Other Environmental Laws:
CERCLA: RQ 5000* lbs.
Marine Pollutant: listed as severe pollutant.
RCRA Groundwater Monitoring: Methods 6010, 7210 / PQL 60, 200
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard
NIOSH Recommendations:
Occupational Health Guideline: 0150*

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

Zinc oxide: TSCA Inventory: listed
TSCA HPVC: not listed
NIOSH Recommendations:
Occupational Health Guideline: 0675*

1,1,1,2-TETRAFLUOROETHANE: TSCA Inventory: listed; EPA flags S
TSCA HPVC: not listed

National regulations - Great Britain

Hazchem-Code: -

16. Other information

Text for labeling: Contains < 10 % Calcium hydroxide, < 5 % Copper, < 5 % Aluminium powder (pyrophoric), < 3.5 % Zinc oxide, < 1 % Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN <300, 1 - 10 % 1,1,1,2-TETRAFLUOROETHANE. Safety data sheet available on request.



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Hazard rating systems:



NFPA Hazard Rating:

Health: 3 (Serious)

Fire: 1 (Slight)

Reactivity: 3 (Serious)

HMIS Version III Rating:

Health: 3 (Serious)

Flammability: 1 (Slight)

Physical Hazard: 3 (Serious)

Personal Protection: X = Consult your supervisor

HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	3
	X

Reason of change:

ADR/RID 2017, IMDG 2017

Date of first version:

Jun/6/2016

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.