



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 2/Jan/2017
Version: 3
Language: en-CA,US
Date of print: 10/Jan/2017

Copper Paste Presspack

Material number 262001

Page: 1 of 8

1. Product and company identification

Product identifier

Trade name: Copper Paste Presspack

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

General use: Lubricant.
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: Aerosol
Color: copper
Odor: characteristic
Classification: Compressed Gas;
Hazard symbols:



Signal word: **Warning**
Hazard statements: Contains gas under pressure; may explode if heated.
Precautionary statements: Keep out of reach of children.
Protect from sunlight. Store in a well-ventilated place.

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

see section 11: Toxicological information



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3. Composition / Information on ingredients

Chemical characterisation: Mixture of various active substances.

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 7440-50-8	Copper	< 10 %	Aquatic toxicity - acute 1.
CAS 811-97-2	1,1,1,2-TETRAFLUOROETHANE	< 10 %	Compressed Gas.

4. First aid measures

- General information: Take off immediately all contaminated clothing.
- In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical treatment in case of troubles.
- Following skin contact: After contact with skin, wash immediately with soap and plenty of water. Consult a doctor if skin irritation persists.
- 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. Consult an ophthalmologist.
- After swallowing: Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

Most important symptoms and effects, both acute and delayed

After contact with skin:
Frequently or prolonged contact with skin may cause dermal irritation.

Information to physician

Treat symptomatically.

5. Fire fighting measures

- Flash point/flash point range: 213 °C (active agent)
- Auto-ignition temperature: not determined
- Suitable extinguishing media: Water fog, alcohol resistant foam, extinguishing powder, carbon dioxide.
- Extinguishing media which must not be used for safety reasons: High power water jet

Specific hazards arising from the chemical

Contains gas under pressure; may explode if heated.
May form dangerous gases and vapours in case of fire.
In case of fire may be liberated: Metal oxide smoke, hydrofluoric acid, halogenides, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.



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Additional information: Heating will lead to pressure increase: Danger of bursting and explosion. Cool exposed containers with water spray.
Move undamaged containers from immediate hazard area if it can be done safely.
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Do not allow fire water to penetrate into surface or ground water.
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.
In case of fire and/or explosion do not breathe fumes.

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.

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

Methods for clean-up: Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).
Thoroughly clean surrounding area.
In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

Additional information: Leaking cans, cans with spillage, are to be segregated, sprayed to empty state and disposed of. Refer to section 13 (Waste removal)

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 and eyes. Wear appropriate protective equipment.
Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Take off immediately all contaminated clothing.
When using do not eat, drink or smoke. Wash hands before breaks and after work.

Precautions against fire and explosion: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use.

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 frost.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Store containers in upright position.

Hints on joint storage: Do not store together with combustible or self-igniting materials or any highly flammable solids.
Do not store together with acids and strong oxidation agents.
Keep away from food, drink and animal feedingstuffs.

Further details: Do not allow to penetrate into soil, waterbodies or drains.



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8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7440-50-8	Copper	Canada, Alberta: OEL 8 hour	0.2 mg/m ³ Smoke
		Canada, Alberta: OEL 8 hour	1 mg/m ³ Dusts and mist
		Canada, BC: OEL TWA	0.2 mg/m ³ Smoke
		Canada, BC: OEL TWA	1 mg/m ³
		Canada, Québec: VEMP	0.2 mg/m ³ (Smoke, calculated as Cu)
		Canada, Québec: VEMP	1 mg/m ³ (Dusts and mist, calculated as Cu)
		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)
		USA: OSHA: TWA	1 mg/m ³ Dusts and mist calculated as Cu

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 Flame retardant, antistatic and chemical resistant protective clothing.
Protective gloves according to OSHA Standard - 29 CFR: 1910.138 (Solvent resistant protective gloves).
Glove material: Nitrile rubber - Layer thickness: 0.4 mm
Breakthrough time: 480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

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/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:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use.
Do not breathe gas/vapor/spray. Avoid contact with skin and eyes.
Take off immediately all contaminated clothing.
When using do not eat or drink.
Wash hands before breaks and after work. Take off immediately all contaminated clothing.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Form: Aerosol
 Color: copper

Odor: characteristic

Odor threshold: not determined



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pH value:	not determined
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point/flash point range:	213 °C (active agent)
Evaporation rate:	not determined
Flammability:	not determined
Explosion limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Vapor pressure:	not determined
Vapor density:	not determined
Density:	at 20 °C: active agent 1.1 g/cm ³ (active agent)
Solubility:	not determined
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not determined
Thermal decomposition:	No decomposition when used properly.
Viscosity, dynamic:	not determined
Viscosity, kinematic:	not determined
Explosive properties:	Contains gas under pressure; may explode if heated.
Ignition temperature:	> 250 °C (active agent)
Additional information:	Drop point/drop range: approx. 180 °C (IP 396)

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Contains gas under pressure; may explode if heated.
Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Protect from frost.
Incompatible materials:	Concentrated acids, strong oxidizing agents.
Hazardous decomposition products:	May form dangerous gases and vapours in case of fire. In case of fire may be liberated: Metal oxide smoke, hydrofluoric acid, halogenides, carbon monoxide and carbon dioxide.
Thermal decomposition:	No decomposition when used properly.



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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: Lack of data. Minor irritation effect - does not require labeling.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Based on available data, the classification criteria are not met.
Germ cell mutagenicity/Genotoxicity: Lack of data.
Carcinogenicity: Lack of data.
Reproductive toxicity: Lack of data.
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.

Other information: Hazardous properties cannot be excluded.

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

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

AOX reference: The product contains organically bound halogen. Thus it may add to the AOX value.

Volatile organic compounds (VOC):
0 % by weight

General information: Do not allow to penetrate into soil, waterbodies or drains. Do not allow uncontrolled discharge of product into the environment.



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13. Disposal considerations

Product

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

Contaminated packaging

Recommendation: Empty carefully and completely, if possible. Handle empty containers with care.
Incineration may cause explosion.

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



Canada: Transportation of Dangerous Goods (TDG)

UN Number: UN1950
Shipping name: UN 1950, AEROSOLS
TDG class: 2.2
Special provisions: 80, 107
Explosive limit and limited quantity index: 1 L
Passenger carrying road or rail index: 75 L

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: no
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 - Canada

No data available

National regulations - U.S. Federal Regulations

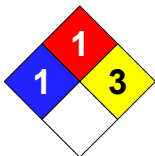
Copper: TSCA Inventory: listed
 TSCA HPVC: not listed
 Clean Water Act:
 Priority Pollutant: yes
 Other Environmental Laws:
 CERCLA: RQ 5000* lbs.
 Marine Pollutant: listed as severe pollutant.
 RCRA Groundwater Monitoring: Methods 6010, 7210 / PQL 60, 200
 SARA Title III Section 313, Toxic Release: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

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

16. Other information

Text for labeling: Contains < 10 % Copper, < 10 % 1,1,1,2-TETRAFLUOROETHANE. Safety data sheet available on request.

Hazard rating systems: NFPA Hazard Rating:
 Health: 1 (Slight)
 Fire: 1 (Slight)
 Reactivity: 3 (Serious)



HMIS Version III Rating:
 Health: 1 (Slight)
 Flammability: 1 (Slight)
 Physical Hazard: 3 (Serious)
 Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	3
	X

Reason of change: ADR/RID 2017, IMDG 2017

Date of first version: 6/May/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.