WECHEM Engineered Chemistries Superior Solutions **SDS**

CP 2000 (Rev 1-23-24)

SDS Number: L2000E

Revision Date: 1/23/2024

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer
Wechem, Inc
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Harahan, LA 70123

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Product Identifier: CP 2000 (Rev 1-23-24)
SDS Number: L2000E
Product Code: L2000
Revision Date: 1/23/2024
Product Use: Copper Anti-Seize

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 5 Oral
Health, Skin corrosion/irritation, 3
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Specific target organ toxicity - Single exposure, 3
Health, Specific target organ toxicity - Repeated exposure, 1

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:

GHS Hazard Statements:

H303 - May be harmful if swallowed
H316 - Causes mild skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H372 - Causes damage to organs (lungs) through prolonged or repeated exposure

GHS 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 hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+313 - IF exposed or concerned: Get medical advice/attention.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P314 - Get Medical advice/attention if you feel unwell.
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.
P337 - If eye irritation persists: Get medical advice/attention.
P403+233 - Store in a well ventilated place. Keep container tightly closed.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry:	Ingestion, eye, inhalation, skin absorption
Inhalation:	May cause irritation to the respiratory tract. Inhalation of dusts at levels above recommended exposure limits may cause a metallic or sweet taste.
Skin Contact:	Prolonged contact may cause irritation.
Eye Contact:	Prolonged or repeated contact may cause mechanical irritation, tearing, and redness. May result in corneal injury.
Ingestion:	No hazard expected in normal industrial use. May be harmful if swallowed. May cause gastrointestinal Irritation to with nausea, vomiting and diarrhea.

Preexisting pulmonary and dermatological disorders may be aggravated by exposure to hazardous components. Repeated or prolonged inhalation of graphite or carbon dusts may cause pulmonary fibrosis, emphysema, and pneumoconiosis. The severity of these effects is greatly influenced by the presence of other harmful mineral dusts, most notably crystalline silica. This product contains encapsulated metal powder containing copper and zinc and encapsulated silica. No exposure to free metal powder or free, respirable silica is anticipated during normal use of this product. Inhalation of free, respirable silica may cause silicosis or other serious delayed lung injury. Metal powder and/or silica may be released by grinding or machining of cured compound or coated materials. Repeated or prolonged exposure to metal dust may cause metal-fume fever, metallic taste, and discoloration of the skin and hair. Use NIOSH-approved dust/mist respirator when grinding or machining coated items.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:

CAS#	%	Chemical Name:
64742-52-5	60%	Distillates, petroleum, hydrotreated heavy naphthenic
7440-50-8	21%	Copper
7782-42-5	17%	Graphite
112945-52-5	1%	Silica, amorphous treated

4 FIRST AID MEASURES

Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical aid.

Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty of soap and water. Get medical attention if irritation persists. Wash contaminated clothing separately before reuse.

Eye Contact: Fush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical aid.

Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Call a Poison Control center.

Symptoms may not be readily apparent. Get medical advice/attention.

Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5 FIRE FIGHTING MEASURES

Flammability: NA
Flash Point: 325 Deg. F. (163 C)
Flash Point Method: Cleveland Open Cup (COC)

Extinguishing media:Use water spray, dry chemical, carbon dioxide or chemical foam. If water is used, fog nozzles are preffered

Special Fire fighting procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Containers may explode in the heat of the fire. Use water spray to keep fire-exposed containers cool.

Unusual Fire & Explosion Hazards: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.

6 ACCIDENTAL RELEASE MEASURES

Use proper personal protective equipment as indicated in Section 8.

Do not empty into drains. Material that cannot be recovered or reused should be disposed of in accordance with all Federal, State, and Local regulations.

Spills/Leaks: Provide ventilation. Avoid breathing vapors, mist or gas. Remove all sources of ignition. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with skin and eyes. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation.

Do not reuse empty containers without first having them commercially cleaned or reconditioned. Follow all SDS/label precautions even after container is emptied because they may retain product residues.

Storage Requirements: Store in a cool, dry , well-ventilated area away from incompatible substances. Store away from heat. Store in a tightly closed container. Keep container closed when not in use. Keep out of reach of children. Handle in accordance with good industrial hygiene and safety practices.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation Requirement: Use adequate general or local exhaust ventilation to minimize exposure levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protective Equipment: Respiratory Protection: Not required under normal use conditions. Avoid breathing vapors or dusts. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles

and vapor. In confined areas, use approved air line type respirator or hood. Self contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.
Protective gloves: Not required under normal use conditions. Solvent resistant gloves required for prolonged or repeated contact.
Eye protection: Safety glasses/ Goggles and/or face shield should be worn.

Wear appropriate protective clothing to prevent skin exposure. Chemical resistant apron.

Hygienic work practices: Wash with soap and water before handling food.

Copper cas#:(7440-50-8) [21%]
OSHA TWA
PEL: 0.1 (fume) / 1.0 (dust)
ACGIH TWA
TLV: 0.2 mg/m3 (fume) / 1 mg/m3 (dust/mist)/

Graphite cas#:(7782-42-5) [17%]

Components with workplace control parameters

TWA	15Million particles per particles per	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts (OSHA) - Table Z-3 Mineral Dusts

Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques.
mppcf X 35.3 = million particles per cubic meter = particles per c.c

TWA	2.5 mg/m3	USA. NIOSH Recommended Exposure Limits

Also see specific listing for Graphite (synthetic).

TWA	10 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
TWA	5 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
TWA	15 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
TWA	5 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
TWA	2 mg/m3	USA. ACGIH Threshold Limit Values (TLV)

Pneumoconiosis

TWA	2.5 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Copper colored		
Physical State:	Paste	**Odor:**	Slight. Petroleum-like.
Spec Grav./Density:	(H20=1): 1.24	**Solubility:**	NIL in water
Boiling Point:	500 Deg. F. (260 C)	**Percent Volatile:**	Not available
Vapor Pressure:	Not available	**Flash Point:**	325 Deg. F. (163 C)
Evap. Rate:	Slower than ether	**Vapor Density:**	Heavier than air
		Auto-Ignition Temp:	Not available

10 STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	High temperatures, Incompatible materials.
Materials to Avoid:	Strong oxidizing agents, strong acids, strong bases, nitrates, nitrite, chlorinated hydrocarbons, magnesium, chlorides. Diborane. Palladium. Selenium. Manganese. Potassium chlorate. Sodium carbonate. Sulfates.
Hazardous Decomposition:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.
Hazardous Polymerization:	Will not occur

11 TOXICOLOGICAL INFORMATION

Data summary for the components are as follows:

Silica, amorphous treated (CAS 112945-52-5)
Acute
Oral LD50 3160 mg/kg (Rat)

Distillates, petroleum,hydrotreated heavy naphthenic (CAS 64742-52-5)
Oral LD50 >5 mg/kg (Rat)
Dermal 500.0 mg Standard Draize Test, (Rabbit)

This product contains encapsulated silicon dioxide (quartz, silica). No exposure to free, respirable silica is anticipated during normal use of this product. Free, respirable silica has been listed as a confirmed human carcinogen by NTP and IARC. Inhalation of free, respirable silica may cause silicosis or other serious delayed lung injury. Silica may be released by grinding or machining of coated materials. Use NIOSH-approved dust/mist respirator when grinding or machining coated items.

Copper cas#:(7440-50-8) [21%]
Information on toxicological effects

Acute toxicity:

Oral LD50 413 mg/kg (Mouse)

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: GL5325000

Symptoms of systemic copper poisoning may include: capillary damage, headache, cold sweat, weak pulse, and kidney and liver damage, central nervous system excitation followed by depression, jaundice, convulsions, paralysis, and coma. Death may occur from shock or renal failure. Chronic copper poisoning is typified by hepatic cirrhosis, brain damage and demyelination, kidney defects, and copper deposition in the cornea as exemplified by humans with Wilsons disease. It has also been reported that copper poisoning has lead to hemolytic anemia and accelerates arteriosclerosis.

Graphite cas#:(7782-42-5) [17%]

Information on toxicological effects

Acute toxicity:
LD50 Oral - rat - female - > 2,000 mg/kg (OECD Test Guideline 423)
Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: No skin irritation (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes - rabbit Result: No eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitisation: - mouse Did not cause sensitisation on laboratory animals. (OECD Test Guideline 429)

Germ cell mutagenicity: in vitro assay S. typhimurium Result: negative

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated

carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

Repeated dose toxicity - rat - male - Feed - No observed adverse effect level - 813 mg/kg RTECS: MD9659600

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Data summary for the components are as follows:

Copper cas#:(7440-50-8) [21%]

Information on ecological effects

Toxicity:

Fish	LC50	24 microgram/L	96 hrs, Striped Bass (Morone saxatilis) larvae
Crustacea	EC50	9.4 microgram/L	96 hrs. Water Flea (Daphnia lumholtzi)

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Graphite cas#:(7782-42-5) [17%]

Information on ecological effects

Toxicity:
Toxicity to fish semi-static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h.
(OECD Test Guideline 203)
Toxicity to daphnia and static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h.
other aquatic (OECD Test Guideline 202) invertebrates
Toxicity to algae static test EC50 - Pseudokirchneriella subcapitata - > 100 mg/l - 72 h.
(OECD Test Guideline 201)

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 262. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

Dispose of according to local, state, or federal regulations.

14 TRANSPORT INFORMATION

Proper Shipping Name: Non regulated.

15 REGULATORY INFORMATION

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[%] RQ (CAS#) Substance - Reg Codes
-----------------------------------------------------------------
[60%] Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5) NJHS, TSCA

[21%] RQ(5000LBS), Copper (7440-50-8) CERCLA, EPCRAWPC, GADSL, MASS, NJHS, OSHAWAC, PA,
PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR

[17%] Graphite (7782-42-5) MASS, OSHAWAC, PA, TSCA, TXAIR

[1%] Silica, amorphous treated (112945-52-5) MASS, OSHAWAC, PA, TSCA, TXAIR
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This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

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Regulatory Code Legend
-----------------------------------------------------------------
RQ = Reportable Quantity
NJHS = NJ Right-to-Know Hazardous Substances
TSCA = Toxic Substances Control Act
CERCLA = Superfund clean up substance
EPCRAWPC = EPCRA Water Priority Chemicals
GADSL = Global Automotive Declarable Substance List (GADSL)
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean Water Act Toxic Pollutants
TXAIR = TX Air Contaminants with Health Effects Screening Level
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16 OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given

without warranty or guarantee of any kind.
N/A = Not available N/D = Not determined

Revision Date: 1/23/2024