

Safety Data Sheet

Material Name: MicroPro Custom Blend

405.1-KPC

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

MicroPro Custom Blend

Product Use

Custom blend preservative concentrate for the pressure treatment of wood.

Restrictions on Use

To be only used by customers with a custom blend request.

Details of the supplier of the safety data sheet

Koppers Performance Chemicals Inc.

635 Hwy 74 S.

Peachtree City, GA 30269

Phone: 770-233-4200

Emergency Phone #: CHEMTREC 1-800-424-9300

E-mail: KPCmgrsds@koppers.com

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Acute Toxicity - Oral - Category 4

Acute Toxicity – Inhalation – Category 4

Sensitization (Skin) – Category 1

Reproductive Toxicity - Category 2

Carcinogenicity – Category 2

Specific Target Organ Toxicity - Repeated Exposure - Category 2 (eyes)

Hazardous to the Aquatic Environment - Acute - Category 1

Hazardous to the Aquatic Environment - Chronic - Category 1

GHS Label Elements

Symbol(s)



Signal Word

Warning

Hazard Statement(s)

Harmful if swallowed.

Harmful if inhaled.

Suspected of damaging fertility or the unborn child.

Suspected of causing cancer.

May cause an allergic skin reaction.

May cause damage to organs (eyes) through prolonged or repeated exposure.

Very toxic to aquatic life with long lasting effects.



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Precautionary Statement(s)

Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Avoid release to the environment.

Response

Collect spillage.

IF exposed or concerned: Get medical advice/attention.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Get medical advice/attention if you feel unwell.

IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Storage

None needed according to classification criteria.

Disposal

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

Hazards Not Otherwise Classified (HNOC)

May cause mild eye and skin irritation.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
12069-69-1	Basic copper carbonate*	20-30
107534-96-3	Tebuconazole	0.5-1
494793-67-8	Penflufen	0.1-0.2
64742-61-6	Wax	10-20
Mixture	Base Oil	1-5

Component Related Regulatory Information

*Copper metallic Equivalent to 15.7%.

The chemical identity and/or percentage of composition is being withheld as a trade secret. Components not listed are non-hazardous or below reportable limits.

Section 4 - FIRST AID MEASURES

Inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Skin



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Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Get medical attention if irritation develops or persists.

Eyes

Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention.

Ingestion

Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Do not give anything by mouth to an unconscious person.

Most Important Symptoms/Effects

Acute

Harmful if inhaled. Harmful if swallowed. May cause mild eye and skin irritation.

Delayed

Suspected of damaging fertility or the unborn child. May cause damage to organs (eyes) through prolonged or repeated exposure. Suspected of causing cancer.

Note to Physicians

Treat symptomatically.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, regular dry chemical, foam, water spray

Unsuitable Extinguishing Media

Do not scatter spilled material with high-pressure water streams.

Special Hazards Arising from the Chemical

Irritating and toxic gases or fumes may be released during a fire.

Hazardous Combustion Products

Oxides of carbon, nitrogen oxides, metal oxides.

Advice for firefighters

Containers may rupture or explode if exposed to heat.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Cool containers with flooding quantities of water until well after fire is out. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Special Protective Equipment and Precautions for Firefighters

Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up

Reduce vapors with water spray. Do not touch spilled material. Stop leak if possible without personal risk. Wipe up with absorbent material (e.g. cloth, fleece). Collect spilled material in appropriate container for disposal. Clean contaminated surface thoroughly. Never return spills in original containers for re-use. Do not contaminate water, food, or feed by storage or disposal. There may be specific regulatory reporting requirements associated with spills, leaks, or releases of this product.

Environmental Precautions

Avoid release to the environment. Collect spillage.



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Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin, or on clothing. Wear protective eyewear such as glasses, face shield, or safety glasses. Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Conditions for Safe Storage, Including any Incompatibilities

Store and handle in accordance with all current regulations and standards. Store in original tightly closed container in a cool, dry, well-ventilated place. Keep separated from incompatible substances. Keep out of direct sunlight, and away from heat, water, and incompatible materials. Protect from freezing.

Incompatible Materials

Strong acids, oxidizing agents, peroxides, and borohydrides.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Copper	7440-50-8
ACGIH:	0.2 mg/m ³ TWA fume
NIOSH:	1 mg/m ³ TWA dust and mist ; 0.1 mg/m ³ TWA fume
	100 mg/m ³ IDLH dust, fume and mist
OSHA (US):	0.1 mg/m ³ TWA fume ; 1 mg/m ³ TWA dust and mist
Mexico:	0.2 mg/m ³ TWA [VLE-PPT] fume ; 1 mg/m ³ TWA [VLE-PPT] dust and mist
Wax	64742-61-6
ACGIH:	8-hour TWA: 2 mg/m ³
NIOSH:	8-hour REL: 2 mg/m ³
Base Oil	Mixture
ACGIH:	5 mg/m ³ – ACGIH TLV (inhalable fraction)
OSHA (US):	5 mg/m ³ – OSHA PEL

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

Engineering Controls



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As necessary to comply with applicable exposure limits, provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits. Provide easy access to water supply and eye wash facilities.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Wear protective eyewear such as glasses, face shield, or safety glasses.

Skin Protection

Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves.

Respiratory Protection

If the applicable TLVs and/or PELs are exceeded, use NIOSH-approved multipurpose air-purifying cartridge respirators, for organic vapors and P-100 particulate. Use a positive-pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known, or any other circumstance where air-purifying respirators may not provide adequate protection.

Glove Recommendations

Wear appropriate chemical resistant gloves. (Example: nitrile, PVC.)

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue greenish dispersion	Physical State	Liquid
Odor	Latex paint-like	Color	Blue, green
Odor Threshold	Not available	pH	7.13-8.13
Melting Point	Not available	Boiling Point	100°C
Boiling Point Range	Not available	Freezing point	Not available
Evaporation Rate	Not available	Flammability (solid, gas)	Not available
Autoignition Temperature	Not available	Flash Point	>100°C
Lower Explosive Limit	Not available	Decomposition temperature	Not available
Upper Explosive Limit	Not available	Vapor Pressure	Not available
Vapor Density (air=1)	Not available	Specific Gravity (water=1)	1.15-1.27
Water Solubility	Yes, Dispersible	Partition coefficient: n-octanol/water	Not available
Viscosity	150 cP	Kinematic viscosity	Not available
Solubility (Other)	Not available	Bulk Density	9.56 – 10.56 lb/gal

Section 10 - STABILITY AND REACTIVITY



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Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions

Will not polymerize.

Conditions to Avoid

Avoid contact with incompatible materials. Heat, sparks, or flame and incompatible materials. Extreme temperatures. Protect from freezing.

Incompatible Materials

strong acids, oxidizing agents, peroxides, and borohydrides.

Hazardous decomposition products

Oxides of carbon, nitrogen oxides, metal oxides.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

Harmful if inhaled.

Skin Contact

May cause mild skin irritation.

Eye Contact

May cause mild eye irritation.

Ingestion

Harmful if swallowed.

Acute and Chronic Toxicity

Product Toxicity Values

Dermal LD50:	Rat >2000 mg/kg
Inhalation LC50:	Rat >2.25 mg/l 4 hr

Product Toxicity Estimates

Oral LD50:	Rat 550 mg/kg
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Immediate Effects

Harmful if swallowed. Harmful if inhaled. May cause mild eye and skin irritation.

Delayed Effects

Suspected of damaging fertility or the unborn child. Suspected of causing cancer. May cause damage to organs (eyes) through prolonged or repeated exposure. May cause allergic skin reaction.

Irritation/Corrosivity Data

May cause mild eye and skin irritation.

Eye: Practically non-irritating. Irritation cleared by 24 hours. (Rabbit)

Respiratory Sensitization

No information on significant adverse effects.

Dermal Sensitization

This material is a skin sensitizer. (Mouse)



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Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA.

Suspected of causing cancer. Penflufen: Suggestive Evidence of Carcinogenic Potential.

Animal data on penflufen are suggestive of carcinogenicity, which raises a concern for carcinogenic effects but are judged not sufficient for quantification of cancer risk in humans. (EPA 2011 Penflufen Human Health Risk Assessment)

Germ Cell Mutagenicity

No information on significant adverse effects.

Tumorigenic Data

No data available.

Reproductive Toxicity

Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

No target organs identified.

Specific Target Organ Toxicity - Repeated Exposure

Eyes.

Aspiration hazard

No data available.

Medical Conditions Aggravated by Exposure

None known.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Component Analysis - Aquatic Toxicity

Copper	7440-50-8
Fish:	LC50 96 h Pimephales promelas 0.0068 - 0.0156 mg/L; LC50 96 h Pimephales promelas <0.3 mg/L [static]; LC50 96 h Pimephales promelas 0.2 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 0.052 mg/L [flow-through]; LC50 96 h Lepomis macrochirus 1.25 mg/L [static]; LC50 96 h Cyprinus carpio 0.3 mg/L [semi-static]; LC50 96 h Cyprinus carpio 0.8 mg/L [static]; LC50 96 h Poecilia reticulata 0.112 mg/L [flow-through]
Algae:	EC50 72 h Pseudokirchneriella subcapitata 0.0426 - 0.0535 mg/L [static] EPA ; EC50 96 h Pseudokirchneriella subcapitata 0.031 - 0.054 mg/L [static] EPA
Invertebrate:	EC50 48 h Daphnia magna 0.03 mg/L [Static] EPA
Wax	64742-61-6
Fish	LL50 Oncorhynchus mykiss (rainbow trout) 96 h >1,000 mg/L
Algae	EL50 Scenedesmus subspicatus (green algae) 96 h >1,000 mg/L
Tebuconazole	107534-96-3
Fish:	LC50 6.4 mg/l Exposure time: 96 h



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Algae:	EC50: 2.09-3.01 mg/l Exposure time: 72 h
	EC50: 1.45 mg/l Exposure time: 96 h
Aquatic Invertebrates:	EC50 (Crustacea) 2.1-3.94 mg/l Exposure time: 48 h
	NOEC (Crustacea): 0.008-0.009 mg/l Exposure time: 504 h
Base Oil	Mixture
Fish:	Oncorhynchus mykiss (rainbow trout) 96 hr LL50 >1000 mg/L
Algae:	Scenedesmus subspicatus (green algae) 96 hr EL50 >1000 mg/L
Aquatic Invertebrates:	Daphnia Magna (water flea) 21 Day WAF >50% mg/L
Penflufen	494793-67-8
Fish:	LC50 (Cyprinus Carpio (Carp)): 0.103 mg/L 96hr
Aquatic Invertebrates:	EC50 (Daphnia magna): > 4.66 mg/L Exposure time: 48 h
Algae:	EC50 (Pseudokirchneriella Subcapitata): > 5.1 mg/L Exposure time: 96 h
Microorganisms:	EC50 (activated sludge): > 1000 mg/L Exposure time: 3 h

Persistence and Degradability

No Data Available.

Bioaccumulative Potential

No Data Available.

Mobility

No Data Available.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with all applicable regulations. Avoid discharge into drains or surface water.

Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

Section 14 - TRANSPORT INFORMATION

IATA Information:

Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. , (Contains: Tebuconazole , Basic Copper Carbonate)

Hazard Class: 9



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UN#: UN3082

Packing Group: III

Required Label(s): 9

Marine pollutant

ICAO Information:

Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. , (Contains: Tebuconazole , Basic Copper Carbonate)

Hazard Class: 9

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Marine pollutant

IMDG Information:

Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. , (Contains: Tebuconazole , Basic Copper Carbonate)

Hazard Class: 9

UN#: UN3082

Packing Group: III

Required Label(s): 9

Marine pollutant

US DOT Information:

Further information: Not regulated as dangerous goods

International Bulk Chemical Code

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Basic copper carbonate	12069-69-1
SARA 313:	Copper Compounds, Chemical Category N100
CERCLA:	5000 lb final RQ; 2270 kg final RQ (for copper fraction only)

SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories

Acute toxicity; Reproductive Toxicity; Specific Target Organ Toxicity; Skin Sensitization; Carcinogenicity

U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)



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WARNING

This product can expose you to chemicals including paraffinic distillate, heavy, hydrotreated (mild), paraffinic distillate, light, solvent-refined (mild), ethylene oxide, and 1,4-dioxane which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component Analysis - Inventory

Basic copper carbonate (12069-69-1)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
No	No	Yes	Yes	Yes	Yes	Yes

Tebuconazole (107534-96-3)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
No	No	No	Yes	No	Yes	Yes	Yes	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
No	Yes	Yes	Yes	Yes	Yes	Yes

Penflufen (494793-67-8)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
No	No	No	No	No	No	Yes	No	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
No	No	No	No	No	Yes	No

Section 16 - OTHER INFORMATION



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NFPA Ratings

Health: 2 Fire: 1 Instability: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Preparation Date

Issue date: 12/29/2022 Revision date: 05/13/2025 Revision Number: 2

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; KR REACH CCA - Korea Registration and Evaluation of Chemical Substances Chemical Control Act; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; Ne- Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL - Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TH-TECI - Thailand - FDA Existing Chemicals Inventory (TECI); TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

Other Information

Disclaimer:

The information set forth in this Safety Data Sheet does not purport to be all-inclusive and should be used only as a guide. While the information and recommendations set forth herein are believed to be accurate, the company makes no warranty regarding such information and recommendations and disclaims all liability from reliance thereon.