Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
Cut-N-Seal® Wood Preservative
Product Code
PRD Reg. No. 34022
Recommended Use
Brush-on end-cut wood preservative for cuts, holes and injuries to pressure treated wood used in above ground applications.
Restrictions on Use
Product is ready to use and not to be used in preserved wood foundations, to recoat pressure treated wood surfaces, or as a replacement for pressure treatment. For above ground exterior use only. Not for use in dwellings. Do not apply this product to wood that will be used in water.

Details of the supplier of the safety data sheet

Timber Specialties Limited (a subsidiary of Koppers)
35 Crawford Crescent, PO Box 520, Campbellville, Ontario L0P 1B0
Phone: 905-854-2244
Website: http://www.timberspecialties.com
E-mail: KPCmgrsds@koppers.com
Emergency Phone #: CHEMTREC 1-800-424-9300

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with WHMIS 2023 requirements.
Acute Toxicity (Inhalation) – Category 4
Skin Corrosion/Irritation - Category 2
Serious Eye Damage/Eye Irritation - Category 2A

GHS Label Elements
Symbol(s)



Signal Word
Warning

Hazard Statement(s)
Causes skin irritation.
Causes serious eye irritation.
Harmful if inhaled.

Precautionary Statement(s)
Prevention
Use only outdoors or in a well-ventilated area. Avoid breathing mist/vapours/spray. Wear protective gloves/ protective clothing/ eye protection/ face protection. Wash thoroughly after handling.

Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Storage
Keep container closed when not in use.
Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
12069-69-1	Copper carbonate*	6-8
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	1-2
7632-00-0	Sodium nitrite	0.1-0.2
1309-37-1	Iron oxide (Fe2O3)	0.04-0.1
1333-86-4	Carbon black	0.001-0.003

Further information
Components not listed are non-hazardous or below reportable limits. *Copper metallic equivalent 2.0%.

Section 4 - FIRST AID MEASURES

Inhalation
If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.
Skin
Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if irritation occurs. Thoroughly clean and dry contaminated clothing and shoes before reuse.
Eyes
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
Ingestion
If swallowed, immediately give a glass of water. Do not induce vomiting. Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.

Most Important Symptoms/Effects
Acute
Harmful if inhaled. Causes skin irritation. Causes serious eye irritation.
Delayed
No information on significant adverse effects.

Note to Physicians
For inhalation, consider oxygen. Avoid gastric lavage or emesis.

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
Negligible fire hazard.
Hazardous Combustion Products
Oxides of carbon, oxides of copper, oxides of iron, copper fumes.
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. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. 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. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.
Environmental Precautions
Avoid release to the environment. Collect spillage.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling
Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing vapor or mist. Wash thoroughly after handling. Use in well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Avoid release to the environment.
Conditions for Safe Storage, Including any Incompatibilities
Keep container closed when not in use.
Store and handle in accordance with all current regulations and standards. Store in a cool, dry 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 oxidizing agents

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Iron oxide (Fe2O3)	**1309-37-1**
Alberta	5 mg/m3 TWA respirable
British Columbia	10 mg/m3 TWA (regulated under Rouge; total particulate matter containing no Asbestos and <1% Crystalline silica) total particulate; 3 mg/m3 TWA (regulated under Rouge: particulate matter containing no Asbestos and <1% Crystalline silica) respirable particulate; 5 mg/m3 TWA as Fe dust and fume
	10 mg/m3 STEL as Fe fume
Manitoba	5 mg/m3 TWA respirable particulate matter
New Brunswick	5 mg/m3 TWA as Fe particulate matter containing no Asbestos and <1% Crystalline silica, dust and fume; 10 mg/m3 TWA (regulated under Rouge) particulate matter containing no Asbestos and <1% Crystalline silica
Northwest Territories	5 mg/m3 TWA as Fe dust and fume; 10 mg/m3 TWA (regulated under Rouge)
	10 mg/m3 STEL as Fe dust and fume; 20 mg/m3 STEL (regulated under Rouge)
Nova Scotia	5 mg/m3 TWA respirable particulate matter
Nunavut	5 mg/m3 TWA as Fe dust and fume; 10 mg/m3 TWA (regulated under Rouge)
	10 mg/m3 STEL as Fe dust and fume; 20 mg/m3 STEL (regulated under Rouge)
Ontario	5 mg/m3 TWA respirable particulate matter
Prince Edward Island	5 mg/m3 TWA respirable particulate matter
Quebec	5 mg/m3 TWAEV as Fe dust and fume; 10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, regulated under Rouge) total dust
Saskatchewan	5 mg/m3 TWA as Fe dust and fume; 10 mg/m3 TWA (regulated under Rouge)
	10 mg/m3 STEL as Fe dust and fume; 20 mg/m3 STEL (regulated under Rouge)
Yukon	5 mg/m3 TWA as Fe2O3 fume; 30 mppcf TWA (regulated under Rouge); 10 mg/m3 TWA (regulated under Rouge)
	10 mg/m3 STEL fume; 20 mg/m3 STEL (regulated under Rouge)
ACGIH:	5 mg/m3 TWA respirable particulate matter

Carbon black	**1333-86-4**
Alberta	3.5 mg/m3 TWA
British Columbia	3 mg/m3 TWA inhalable
Manitoba	3 mg/m3 TWA inhalable particulate matter
New Brunswick	3.5 mg/m3 TWA
Northwest Territories	3.5 mg/m3 TWA
	7 mg/m3 STEL
Nova Scotia	3 mg/m3 TWA inhalable particulate matter
Nunavut	3.5 mg/m3 TWA
	7 mg/m3 STEL
Ontario	3 mg/m3 TWA inhalable particulate matter
Prince Edward Island	3 mg/m3 TWA inhalable particulate matter
Quebec	3 mg/m3 TWAEV inhalable dust
Saskatchewan	3.5 mg/m3 TWA
	7 mg/m3 STEL
Yukon	3.5 mg/m3 TWA
	7 mg/m3 STEL
ACGIH:	3 mg/m3 TWA inhalable particulate matter
Copper carbonate	**12069-69-1**
	5 mg/3 TWA – respirable
	15 mg/m3 /50 mppcf – total dust

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)
There are no biological limit values for any of this product's components.

Engineering Controls
Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection
Wear splash resistant safety goggles. Provide easy access to water supply.

Skin Protection
Wear protective clothing such as rubber gloves, long-sleeved shirt, long pants, socks, and shoes. Optional: coveralls, chemical-resistant apron.

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 rubber gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	brown liquid	**Molecular Weight**	Not available
Odor	practically odorless	**Physical State**	liquid
Odor Threshold	Not available	**Color**	brown
pH	8.0-9.0	**Melting Point**	Not available
pH Solution	6.63, 1% w/w	**Boiling Point Range**	Not available
Boiling Point	Not available	**Evaporation Rate**	Not available
Freezing point	Not available	**Autoignition Temperature**	Not available
Flammability (solid, gas)	Not available	**Lower Explosive Limit**	Not available
Flash Point	>100°C	**Upper Explosive Limit**	Not available
Decomposition temperature	Not available	**Vapor Density (air=1)**	Not available
Vapor Pressure	Not available	**Water Solubility**	soluble
Specific Gravity (water=1)	Not available	**Viscosity**	1.484 cSt (20°C)
Partition coefficient: n-octanol/water	Not available	**Solubility (Other)**	Not available
Kinematic viscosity	Not available	**Physical Form**	liquid
Density	1.03 g/cm^3	**Bulk Density**	8.0 - 8.5 lb/gal
Percent volatile (VOC)	0.2%		

Section 10 - STABILITY AND REACTIVITY

Reactivity
No reactivity hazard is expected.
Chemical Stability
Stable at normal temperatures and pressure.
Possibility of Hazardous Reactions
Will not polymerize.
Conditions to Avoid
Protect from freezing. Keep out of direct sunlight, and away from heat, water, and incompatible materials.
Incompatible Materials
Strong oxidizing agents
Hazardous decomposition products
Oxides of carbon, oxides of copper, oxides of iron, copper fumes.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure
Inhalation
Harmful if inhaled.
Skin Contact
Causes skin irritation.
Eye Contact
Causes serious eye irritation.
Ingestion
No information on significant adverse effects.
Acute and Chronic Toxicity
Product Toxicity Data
Product Analysis LD/LC 50 Toxicity Values

Oral LD50:	Rat >5000 mg/kg b.w.
Dermal LD50:	Rat >5000 mg/kg b.w.
Inhalation LC50:	Rat >2.33 mg/l

Immediate Effects
Causes skin irritation. Causes serious eye irritation.
Delayed Effects
No information on significant adverse effects.
Irritation/Corrosivity Data
Primary Eye Irritation Study in Rabbits: Moderately irritating in animal testing. Primary Skin Irritation in Rabbits: Moderately irritating in animal testing.
Respiratory Sensitization
No information on significant adverse effects.
Dermal Sensitization
No information on significant adverse effects.

Component Carcinogenicity

Iron oxide (Fe2O3)	**1309-37-1**
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Supplement 7 [1987] ; Monograph 1 [1972] (Group 3 (not classifiable))
DFG:	Category 3 (could be carcinogenic for man ;with the exception of non-bioavailable Ferrous oxides)
Carbon black	**1333-86-4**
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
IARC:	Monograph 93 [2010]; Monograph 65 [1996] (Group 2B (possibly carcinogenic to humans))
DFG:	Category 3 (could be carcinogenic for man ;inhalable fraction)
OSHA:	Present
NIOSH:	potential occupational carcinogen

Germ Cell Mutagenicity
No data available.
Tumorigenic Data
No data available.
Reproductive Toxicity
No data available.
Specific Target Organ Toxicity - Single Exposure
No target organs identified.
Specific Target Organ Toxicity - Repeated Exposure
No target organs identified.
Aspiration hazard
No data available.
Medical Conditions Aggravated by Exposure
None known.

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

Sodium nitrite	**7632-00-0**
Algae or other aquatic plants:	EC50 72 h > 100 mg/L
Algae or other aquatic plants:	EC50 96 h 1600 mg/L

Crustacea:	EC50 48 h ca. 12.51 mg/L
Fish:	NOEC(ECx) 672 h 0.01 mg/L
Fish:	LC50 96 h < 0.001 mg/L
Iron oxide (Fe2O3)	**1309-37-1**
Algae or other aquatic plants:	EC50 72 h 18 mg/L
Crustacea:	EC50 48 h > 100 mg/L
Fish:	NOEC(ECx) 504 h 0.52 mg/L
Fish:	LC50 96 h 0.05 mg/L
Carbon Black	**1333-86-4**
Algae or other aquatic plants:	EC50 72 h > 0.2 mg/L
Crustacea:	EC50 48 h 33.076-41.968 mg/L
Crustacea:	NOEC(ECx) 24 h 3200 mg/L
Fish:	LC50 96 h Fish > 100 mg/L
Copper carbonate	**12069-69-1**
Algae or other aquatic plants:	EC50 72 h 0,017 mg/L
Algae or other aquatic plants:	EC50 96 h 0,047 mg/L
Crustacea:	EC50 48 h 0,001 mg/L
Crustacea:	NOEC(ECx) 504 h < 0,001 mg/L
Fish:	LC50 96 h 0.003 mg/L

Persistence and Degradability
No data available.
Bioaccumulative Potential
No data available.
Mobility
No data available.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods
Do not reuse empty containers. Dispose in household garbage. Unused or partially used products should be disposed at provincially or municipally designated hazardous waste disposal sites. Dispose in accordance with municipal, provincial, and federal regulations.

Section 14 - TRANSPORT INFORMATION

TDG Information:
Further information: Not regulated as dangerous goods

IATA Information:
Further information: Not regulated as dangerous goods

ICAO Information:
Further information: Not regulated as dangerous goods

IMDG Information:
Further information: Not regulated as dangerous goods

US DOT Information:
Further information: Not regulated as dangerous goods
International Bulk Chemical Code
This material contains one or more of the following chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

Sodium nitrite	**7632-00-0**
IBC Code:	Category Y (solution)

Section 15 - REGULATORY INFORMATION

Canada Regulations
CEPA - Priority Substances List
None of this product's components are on the list.
Ozone Depleting Substances
None of this product's components are on the list.
Council of Ministers of the Environment - Soil Quality Guidelines
None of this product's components are on the list.
Council of Ministers of the Environment - Water Quality Guidelines
None of this product's components are on the list.

Further information

PRD Information: This chemical is a pest control product registered by Health Canada's Pesticides Regulatory Directorate (PRD) and is subject to certain labeling requirements under the *Pest Control Product Act*. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. The following is the hazard information as required on the pest control product label.
Signal word: WARNING. EYE AND SKIN IRRITANT.
Symbol: None
Hazard statements: Causes eye irritation. May irritate skin.

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.

Sodium nitrite	**7632-00-0**
SARA 313:	1 % de minimis concentration
CERCLA:	100 lb final RQ ; 45.4 kg final RQ
TSCA 12b:	Section 5, 1 % de minimus concentration (see 40 CFR 721.4740)

SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories:
Acute Toxicity; Skin Corrosion/Irritation; Serious Eye Damage/Eye Irritation

Component Analysis - Inventory
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

Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides (68391-01-5)

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)
Yes	Yes	Yes	Yes	No	Yes	Yes

Sodium nitrite (7632-00-0)

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)
Yes	Yes	Yes	Yes	Yes	Yes	Yes

Iron oxide (Fe2O3) (1309-37-1)

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	Yes	Yes	Yes	Yes	Yes	Yes

Carbon black (1333-86-4)

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	Yes	Yes	Yes	Yes	Yes	Yes

Section 16 - OTHER INFORMATION

NFPA Ratings
Health: 2 Fire: 1 Instability: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Initial date: 04/07/2021
Revision date: 06/23/2026
Revision no.: 3
Revision summary:
REV 2: Addition of VOC content to Section 9.
REV 3: All Sections to meet the latest revisions of the *Hazardous Products Act* and the *Hazardous Products Regulations* (HPR).

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.