

Safety Data Sheet

Material Name: Cut-N-Seal Wood Preservative

SDS ID: 304-TIM-E

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

Cut-N-Seal Wood Preservative

Part Number

PMRA Reg. No. 34022

Recommended Use

Brush-on wood preservative for above ground use

Restrictions on Use

For exterior use only

Details of the supplier of the safety data sheet

Timber Specialties Limited
35 Crawford Crescent, PO Box 520
Campbellville, Ontario L0P 1B0

Phone: 905-854-2244

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

E-mail: KPCmgsrds@koppers.com

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with Schedule 1 of Hazardous Products Regulations (HPR) (SOR/2015-17)

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.

Precautionary Statement(s)

Prevention

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.



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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(II) carbonate hydroxide	2-5
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 (Fe ₂ O ₃)	0.04-0.1
1333-86-4	Carbon black	0.001-0.003

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 needed. 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, do not induce vomiting. Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.

Most Important Symptoms/Effects

Acute

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.



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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. 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 (Fe ₂ O ₃)	1309-37-1
Alberta	5 mg/m ³ TWA respirable

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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 Fe ₂ O ₃ 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

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British Columbia	3 mg/m ³ TWA inhalable
Manitoba	3 mg/m ³ TWA inhalable particulate matter
New Brunswick	3.5 mg/m ³ TWA
Northwest Territories	3.5 mg/m ³ TWA
	7 mg/m ³ STEL
Nova Scotia	3 mg/m ³ TWA inhalable particulate matter
Nunavut	3.5 mg/m ³ TWA
	7 mg/m ³ STEL
Ontario	3 mg/m ³ TWA inhalable particulate matter
Prince Edward Island	3 mg/m ³ TWA inhalable particulate matter
Quebec	3 mg/m ³ TWAEV inhalable dust
Saskatchewan	3.5 mg/m ³ TWA
	7 mg/m ³ STEL
Yukon	3.5 mg/m ³ TWA
	7 mg/m ³ STEL
ACGIH:	3 mg/m ³ TWA inhalable particulate matter

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 long-sleeved shirt, long pants, socks, and shoes.

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.



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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 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



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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

No information on significant adverse effects.

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

Acute Toxicity Estimate

No data available.

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 (Fe ₂ O ₃)	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)



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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
Fish:	LC50 96 h Oncorhynchus mykiss 0.19 mg/L [flow-through] (juvenile); LC50 96 h Oncorhynchus mykiss 0.092 - 0.13 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 0.4 - 0.6 mg/L [semi-static]; LC50 96 h Oncorhynchus mykiss 0.65 - 1 mg/L [static]; LC50 96 h Pimephales promelas 2.3 mg/L [flow-through]; LC50 96 h Pimephales promelas 20 mg/L [static]
Iron oxide (Fe2O3)	1309-37-1
Fish:	LC50 96 h Danio rerio 100000 mg/L [static] (approximately)

Persistence and Degradability

No data available.

Bioaccumulative Potential

No data available.



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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.

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.



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Further information

PMRA Information: This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency 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.

PMRA Reg. No.: 34022.

Signal word: WARNING. EYE AND SKIN IRRITANT.

Hazard statements: KEEP OUT OF REACH OF CHILDREN. Causes eye irritation. Do not get in eyes. May irritate skin. Avoid contact with skin. It is recommended to wear rubber gloves and goggles when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash it before reuse.

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:

Skin Corrosion/Irritation; Serious Eye Damage/Eye Irritation

Component Analysis - Inventory

Copper(II) carbonate hydroxide (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



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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

Issue Date

New: 04/07/2021

Revision date: 06/22/2021

Revision No.: 2

Sections Changed

REV #02: Addition of VOC content to Section 9.

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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.