

# 8% COPPER NAPHTHENATE

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 05/17/2018

Revision date: 05/17/2018

Version: 1.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : 8% COPPER NAPHTHENATE

#### 1.2. Recommended use and restrictions on use

Recommended use : Wood preservative

#### 1.3. Supplier

Soltex Canada  
30 Dussek St.  
Belleville, Ontario K8N 5R8 Canada  
(613) 966-8881

#### 1.4. Emergency telephone number

Emergency number : (800)-424-9300 (CHEMTREC); (613) 966-8881 (Other Safety Information)

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-CA)

Flam. Liq. 3 H226  
Acute Tox. 4 (Oral) H302

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-CA labelling

Hazard pictograms (GHS-CA) :



Signal word (GHS-CA) : Warning

Hazard statements (GHS-CA) : H226 - Flammable liquid and vapour.  
H302 - Harmful if swallowed.

Precautionary statements (GHS-CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
P242 - Use only non-sparking tools.  
P243 - Take action to prevent static discharges.  
P264 - Wash hands, forearms and face 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+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P330 - Rinse mouth.  
P403+P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-CA)

22% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name               | Product identifier  | %       |
|--------------------|---------------------|---------|
| Copper naphthenate | (CAS-No.) 1338-02-9 | 65 – 75 |

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| Name   | Product identifier | %   |
|--------|--------------------|-----|
| Nonane | (CAS-No.) 111-84-2 | ≤ 2 |

Comments : The concentrations listed represent actual ranges that result from batch variability.

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash clothing before re-using. Get medical attention if irritation develops and persists.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Symptoms/effects after ingestion : Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### 4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

- Suitable extinguishing media : Alcohol resistant foam. Water fog. Dry chemical powder. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

#### 5.2. Unsuitable extinguishing media

- Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

#### 5.3. Specific hazards arising from the hazardous product

- Fire hazard : Flammable liquid and vapour. Products of combustion may include, and are not limited to: oxides of carbon. Heating can release hazardous gases.
- Explosion hazard : May form flammable/explosive vapour-air mixture. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.

#### 5.4. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Move containers away from the fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.
- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition.

#### 6.2. Methods and materials for containment and cleaning up

- For containment : Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). For large spills isolate area and contain spill by using earth or plastic materials to dam spill and prevent runoff into bodies or water. For small spills, use paper or cotton towels to absorb spills, then rinse area with clean water.
- Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

#### 6.3. Reference to other sections

- For further information refer to section 8: "Exposure controls/personal protection"

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
- Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.
- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Keep away from sources of ignition. Keep out of direct sunlight. Keep in an area equipped with sprinklers.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Nonane (111-84-2)

|             |                 |         |
|-------------|-----------------|---------|
| USA - ACGIH | ACGIH TWA (ppm) | 200 ppm |
|-------------|-----------------|---------|

#### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Use only with ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended / statutory exposure limits. Use local exhaust, general exhaust, or other engineering controls as appropriate to keep exposure levels below recommended / statutory exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
- Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Hand protection:

Wear suitable gloves

##### Eye protection:

Safety glasses or goggles are recommended when using product.

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

##### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Liquid
- Colour : Green
- Odour : No data available
- Odour threshold : No data available
- pH : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Relative evaporation rate (ether=1) : < 1
- Melting point : No data available
- Freezing point : No data available
- Boiling point : 312.8 - 388.4 °F (156 - 198 °C) Reference Substance: Solvent
- Flash point : 113 °F (45.0 °C) Pensky-Martens Closed Cup
- Auto-ignition temperature : 444.2 °F (229°C) Reference Substance: Solvent

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|                                       |  |
|---------------------------------------|--|
| Decomposition temperature             | : No data available                    |
| Flammability (solid, gas)             | : Flammable liquid and vapour.         |
| Vapour pressure                       | : 2 mm Hg Reference Substance: Solvent |
| Vapour pressure at 50 °C              | : No data available                    |
| Relative density                      | : 0.99                                 |
| Relative gas density                  | : > 1 (Air=1)                          |
| Solubility                            | : No data available                    |
| Partition coefficient n-octanol/water | : No data available                    |
| Viscosity, kinematic                  | : No data available                    |
| Viscosity, dynamic                    | : 500 cP 77°F (25°C)                   |
| Explosive properties                  | : Not explosive.                       |
| Oxidising properties                  | : Not oxidizing.                       |
| Explosive limits                      | : No data available                    |

### 9.2. Other information

|                        |                    |
|------------------------|--------------------|
| VOC content (weight %) | : 0.08 % estimated |
| Percent volatile       | : 30% by weight    |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|                                    |   |
|------------------------------------|---|
| Reactivity                         | : No dangerous reactions known under normal conditions of use.                        |
| Chemical stability                 | : Stable under normal conditions. May form flammable/explosive vapour-air mixture.    |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use.                        |
| Conditions to avoid                | : Heat, sparks, flames. Direct sunlight. Sources of ignition. Incompatible materials. |
| Incompatible materials             | : Strong oxidizing agents.  |
| Hazardous decomposition products   | : May include, and are not limited to: oxides of carbon. May release flammable gases. |

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                         |
|-----------------------------|-------------------------|
| Acute toxicity (oral)       | : Harmful if swallowed. |
| Acute toxicity (dermal)     | : Not classified.       |
| Acute toxicity (inhalation) | : Not classified.       |

|                                 |   |
|---------------------------------|---|
| ATE CA (oral)                   | 500 mg/kg bodyweight  |
| Unknown acute toxicity (GHS-CA) | 22% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) |

#### Copper naphthenate (1338-02-9)

|                    |              |
|--------------------|--------------|
| LD50 oral rat      | 2 g/kg       |
| LD50 dermal rabbit | > 2000 mg/kg |

#### Nonane (111-84-2)

|                     |             |
|---------------------|-------------|
| LC50 inhalation rat | 3200 ppm/4h |
|---------------------|-------------|

|                                     |   |
|-------------------------------------|---|
| Skin corrosion/irritation           | : Not classified.   |
| Serious eye damage/irritation       | : Not classified.   |
| Respiratory or skin sensitization   | : Not classified.   |
| Germ cell mutagenicity              | : Not classified.   |
| Carcinogenicity                     | : Not classified.   |
| Reproductive toxicity               | : Not classified.   |
| STOT-single exposure                | : Not classified.   |
| STOT-repeated exposure              | : Not classified.   |
| Aspiration hazard                   | : Not classified.   |
| Symptoms/effects after inhalation   | : May cause irritation to the respiratory tract.  |
| Symptoms/effects after skin contact | : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.  |
| Symptoms/effects after eye contact  | : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. |
| Symptoms/effects after ingestion    | : Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.   |
| Other information                   | : Likely routes of exposure: ingestion, inhalation, skin and eye.   |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

#### 12.2. Persistence and degradability

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|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

#### 12.3. Bioaccumulative potential

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|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Ozone : Not classified.

Other information : No other effects known.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.

Additional information : Handle empty containers with care because residual vapours are flammable.

### SECTION 14: Transport information

#### 14.1. Basic shipping description

In accordance with TDG

##### Transportation of Dangerous Goods

UN-No. (TDG) : UN1306

Packing group : III

TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids

Transport document description : UN1306 WOOD PRESERVATIVES, LIQUID, 3, III

Proper Shipping Name (Transportation of Dangerous Goods) : WOOD PRESERVATIVES, LIQUID

Hazard labels (TDG) :



#### 14.2. Transport information/DOT

No additional information available

#### 14.3. Air and sea transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. National regulations

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

#### 15.2. International regulations

No additional information available

### SECTION 16: Other information

Date of issue : 05/17/2018

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Other information : None.

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