

Q **NAP[®]8** **MU**
COPPER NAPHTHENATE CONCENTRATE

QNAP8TM MU

COPPER NAPHTHENATE CONCENTRATE

Active ingredient:

Copper Naphthenate (CAS No. 1338-02-9).....68%*

Other ingredients.....32%

Total.....100%

Contains Petroleum Distillates

***Equivalent to 8% Copper.**

EPA Reg. No. 64405-17 Est. 64405-TN-1

KEEP OUT OF REACH OF CHILDREN WARNING

Environmental Hazards

This product is toxic to aquatic invertebrates, shrimp and oysters/clams. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your state water board or regional office of the EPA. Wood treated with this product shall not be used in the construction of beehives.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

QNAP8 MU Copper Naphthenate Concentrate is a concentrated solution of copper naphthenate for formulating or repackaging purposes only. Use QNAP8 MU Copper Naphthenate Concentrate for formulation or repackaging into end-use products intended for use as wood preservatives. End-Use products formulated or repackaged from QNAP8 MU Copper Naphthenate Concentrate must be labeled for "Intended For Exterior Use". Formulated or repackaged products must be registered with the EPA.

NOTICE

Read and understand the entire label before using. Use only according to label directions.

Before buying or using this product, read **Warranty Disclaimer** and **Limitation of Remedies** statements found elsewhere on this label. If terms are unacceptable, return unopened package to seller for full refund of purchase price. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under the

First Aid

If in Eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
If on Skin or Clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Immediately rinse skin with plenty of water for 15-20 minutes.
If Swallowed:	<ul style="list-style-type: none"> • Do not give person any liquids. • Do not give anything by mouth to an unconscious person. • Do not induce vomiting unless told to do so by the poison control center or doctor.
If Inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	

**PRECAUTIONARY STATEMENTS
Hazards to Humans & Domestic Animals**

WARNING

Causes eye and skin irritation. Prolonged or repeated skin contact may cause allergic reaction in some individuals. Harmful if swallowed or inhaled. Do not get in eyes, on skin, or on clothing. Wear safety goggles or face shield, protective clothing, 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.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original container in a preferably locked storage area inaccessible to children and pets. Do not freeze. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Refillable container; refill this container only with QNAP8. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller; cleaning before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with solvent, then vigorously agitate or recirculate with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure 2 more times, then offer for recycling, if available, or reconditioning, if appropriate; or puncture and dispose of in a sanitary landfill; or by incineration.

Warranty Disclaimer

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. To the extent not prohibited by applicable law, **MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

Inherent Risks of Use

The directions for use of this product are believed to be adequate and must be carefully followed. It is impossible to eliminate all risks associated with use of this product. Lack of performance or other unintended consequences may result because of such factors as use of the product contrary to label instructions, abnormal conditions, the presence of other materials, climatic conditions or the manner of application, all of which are beyond the control of the Manufacturer. The buyer/user assumes all such risks.

Limitation of Remedies

To the extent not prohibited by applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability or other legal theories) shall be limited to, at Manufacturer's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

To the extent not prohibited by applicable law: a) Manufacturer shall not be liable for losses or damages resulting from handling or use of this product unless Manufacturer is promptly notified of such loss or damage in writing; and b) **IN NO CASE SHALL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR LOSSES, INCLUDING WITHOUT LIMIT, HEALTH RELATED DAMAGES OR INJURIES.**

The terms of this **Warranty Disclaimer** and **Limitation of Remedies** cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Manufacturer or the seller is authorized to vary or exceed the terms of this **Warranty Disclaimer** or **Limitation of Remedies** in any manner.

It is not intended that this product be used to practice any patent, whether mentioned or not, without procurement of a license, if necessary, from the owner, following investigation by the user.



Nisus Corporation

100 Nisus Drive • Rockford, TN 37853 • 800-264-0870

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SAFETY DATA SHEET

QNAP[®] 8 MU

**COPPER NAPHTHENATE CONCENTRATE
WITH DIESEL FUEL**

Health Emergencies: INFOTRAC[®] (800) 535-5053

1. PRODUCT AND COMPANY INFORMATION

Product Identity: QNAP[®] 8 MU Copper Naphthenate Concentrate
Solvent: Diesel Fuel

Recommended use of the chemical and restrictions on use: Kills subterranean termites, wood destroying beetles, powderpost beetles, carpenter ants and decay fungi. Use only according to label directions. It is a violation of Federal law to use this product in a manner inconsistent to label directions.

Manufacturer: Nisus Corporation
100 Nisus Drive
Rockford, TN 37853

Telephone: Phone: (800) 264-0870
Fax: (865) 577-5825

Emergency Phone: 800-535-5053 (INFOTRAC)

SDS Date of Preparation: 07/19/16

2. HAZARDS IDENTIFICATION

GHS Classification:

Physical	Health	Environment
Flammable Liquid Category 4	Acute Category: 5 Carcinogenicity: Not Classified Germ Cell Mutagenicity: Not Classified	Aquatic Acute Category 1 Aquatic Chronic Category 1

GHS Label Elements:



Signal Word: Warning!

Statements of Hazard

H227 Combustible liquid.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P210 Keep away from flames and hot surfaces. – No smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye and face protection.

P370 + P378 In case of fire: Use water fog, foam, dry chemical, or carbon dioxide for extinction.

P391 Collect spillage.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents and container in accordance with local and national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Copper naphthenate	1338-02-9	60-80%
Petroleum Distillates as diesel	68476-34-6	30-40%
Non-Hazardous Ingredient	Proprietary	1-5%

The exact formulation is being withheld as a trade secret.

4. FIRST AID MEASURES

Eye: Immediately flush victim's eyes with large quantities of water for at least 15-20 minutes, while holding the eyelids apart. Remove

contact lenses if easy to do so. Continue rinsing. Get immediate medical attention.

Skin: Immediately wash skin thoroughly with soap and water for at least 15-20 minutes. Remove contaminated clothing. Get immediate medical attention. Launder clothing before re-use.

Ingestion: Do NOT induce vomiting. Rinse mouth. Do not give anything by mouth to an unconscious person. Get immediate medical attention.

Inhalation: Move victim to fresh air and keep at rest in a position that is comfortable. If breathing is difficult, administer oxygen or administer artificial respiration. Get immediate medical attention.

Most important Symptoms: May cause eye and skin irritation. Harmful if swallowed.

Indication of immediate medical attention/special treatment:

Immediate medical attention is required for eye contact, skin contact, inhalation, and ingestion. Call a poison center or doctor for further treatment advice. Have the product container or label with you when calling a poison center or doctor, or going for treatment. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use water fog, foam, dry chemical, or carbon dioxide. Cool fire exposed containers and structures with water.

Specific hazards arising from the chemical: A solid stream of water or foam directed into hot, burning liquids can cause frothing. Product will only burn after removing the majority of the water component. Burning may produce carbon monoxide, carbon dioxide, inorganic copper, and other flammable and toxic gases.

Special Protective Equipment and Precautions for Fire-Fighting Instructions: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Contain all runoff.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Evacuate spill area and keep unprotected personnel away. Wear appropriate protective clothing as described in Section 8. Avoid releases to the environment.

Methods and Materials for Containment and Cleaning Up: Dike and collect liquid or absorb with an inert absorbent and place in appropriate containers for disposal. Large spills should be removed using a vacuum truck. Wash spill area thoroughly. Prevent spill from entering sewers and watercourses. Report releases as required by local, state and federal authorities.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Prevent contact with the eyes, skin and clothing. Avoid breathing mists or aerosols. Wear protective clothing and equipment as described in Section 8. Applicators, mixer and other handlers must wear chemical resistant gloves, protective eyewear, long-sleeved shirt, long pants, socks and shoes when handling or applying this product. When applying this product to non-pressure treated wood, blend/spray operators and any individual that applies the product with a brush/roller must wear an organic vapor respirator. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Remove contaminated clothing immediately and wash before reuse. Remove PPE immediately after handling. Wash thoroughly after using and change into clean clothing. Keep containers closed when not in use.

Nonrefillable container. Do not reuse containers. Product residues in empty containers can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in a cool (between 40°F and 90°F), dry, well-ventilated area away from incompatible materials. Keep out of reach of children and pets. Do not store in direct sunlight. Keep containers tightly closed. Protect from physical damage. Store away from oxidizers. Keep in locked storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines:**

Copper Naphthenate	None Established
Diesel fuel	100 mg/m ³ TWA ACGIH TLV IFV (as total hydrocarbons)
Non-hazardous Ingredients	None Established

Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Respiratory Protection: In operations where exposure levels are exceeded, a NIOSH approved respirator with methylamine or organic vapor cartridges with approved pesticide prefilter or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice. Refer to the product label for additional information.

Skin Protection: Wear impervious gloves such as heavy PVC or butyl-viton. Gloves may be decontaminated by washing with soap and water. If you want more options, follow the instructions for category C on the EPA chemical-resistance category selection chart.

Eye Protection: Wear safety goggles and faceshield where splashing is possible.

Other: Wear long-sleeve shirts, long pants, socks and shoes when using this product. Suitable washing facilities should be available in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark green liquid with a pungent petroleum odor.

Physical State: Liquid

Odor Threshold: Not established

Vapor Density: Not determined

Initial Boiling Point/Range: 149-366°C (300-690°F)

Solubility In Water: Insoluble

Vapor Pressure: Not determined

Relative Density: 0.99-1.03

Evaporation Rate: Not determined

Melting/Freezing Point: Not determined

pH: N/A

Percent Volatile: <30% by weight

Octanol/Water Coefficient: Not determined

Solubility: Soluble in hydrocarbon solvents

Decomposition Temperature: Not determined

Viscosity: Not determined

Flammability (solid, gas): N/A

Flashpoint: >140°F (>60°C) COC

Autoignition Temperature: None

Flammable Limits: LEL: Not determined

UEL: Not determined

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: None known.

Incompatible Materials: Avoid strong oxidizing agents.

Hazardous Decomposition Products: When heated to decomposition emits carbon monoxide, carbon dioxide, and inorganic copper.

11. TOXICOLOGICAL INFORMATION**HEALTH HAZARDS:**

Ingestion: May be harmful if swallowed. Ingestion of copper salts may produce vomiting, metallic taste, headache, cold sweats, shock, jaundice, swollen liver, kidney damage, CNS depression, and death from CNS depression or liver or kidney failure. Whether such effects occur following copper naphthenate ingestion is unknown.

Inhalation: Inhalation of mists may cause irritation of the nose, throat and upper respiratory tract. Prolonged inhalation of vapors may cause central nervous system effects, dizziness, drowsiness, somnolence, convulsions, tremors, light-headedness, loss of consciousness, impairment of short-term memory, loss of coordination, personality changes, headache, fatigue, stupor, and coma.

Eye: May cause irritation with redness and tearing.

Skin: May cause skin irritation with redness and pain.

Chronic: May cause damage to the blood, kidneys, nervous system, and peripheral nervous system. Prolonged skin contact may cause defatting, drying, skin ulcers, or pruritic eczema. Prolonged inhalation can affect behavior and central nervous system as described under inhalation.

Sensitization: This material is not known to cause sensitization.

Carcinogenicity: None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

Germ Cell Mutagenicity: Not expected to cause germ cell mutagenicity.

Reproductive Toxicity: Not expected to cause reproductive toxicity.

Numerical Measures of Toxicity:Product Toxicity Data:

Oral rat LD₅₀: >2000 mg/kg

Component Toxicity Data:

Mineral Oil: Oral rat LD₅₀: >2000 mg/kg; Dermal rabbit: LD₅₀ >2000 mg/kg

Copper Naphthenate: Oral rat LD₅₀: 2000 mg/kg

12. ECOLOGICAL INFORMATION**Ecotoxicity:**

This product is classified as very toxic to the aquatic environment with long-lasting effects. Releases to the environment should be avoided.

This product is toxic to algae. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your state water board or regional office of the EPA. Wood treated with this product shall not be used in the construction of beehives.

Persistence and Degradability: No data available. Product is expected to be persistent in the aquatic environment.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

13. DISPOSAL CONSIDERATION

Dispose in accordance with local, state and federal environmental regulations. The materials resulting from clean-up operations of a spill may be hazardous and, therefore, subject to specific regulations. Package, store, transport and dispose of all clean-up materials and any contaminated equipment in accordance with all applicable federal, state, and local regulations. Shipments of waste materials may be subject to manifesting requirements per applicable regulations. Appropriate disposal will depend on the nature of the waste and should be performed by competent and properly permitted contractors. Ensure that all responsible federal, state and local agencies receive proper notification of spill and disposal methods. Spills or releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

14. TRANSPORTATION INFORMATION**DOT Hazardous Materials Description:**

Proper Shipping Name: Combustible liquid, n.o.s. (copper naphthenate, diesel fuel)

UN Number: NA1993

Hazard Class/Packing Group: Combustible liquid, III

Labels Required: Combustible liquid

15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide

chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Labeling:

**QNAP8 MU Copper Naphthenate Concentrate
EPA Reg. No. 64405-17**

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

WARNING

Causes skin and eye irritation. Prolonged or repeated skin contact may cause allergic reaction in some individuals. Harmful if swallowed or inhaled. Do not breathe vapors or mist during brush, roll, and dip applications. Do not get in eyes, on skin, or on clothing.

CERCLA: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA Hazard Category (311/312): Acute Health

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): Copper Compounds 60-80%

EPA TSCA Inventory: This product is regulated under FIFRA, thus exempt.

16. OTHER INFORMATION

NFPA Rating:

Health = 2 Flammability = 2 Instability = 0

HMIS Rating:

Health = 2 Flammability = 2 Physical Hazard = 0

SDS Revision History: 07/07/14: New SDS
01/12/16: Revised

WARRANTY DISCLAIMER

The information, data and recommendations contained herein are believed to be accurate but may not be all inclusive and should only be used as a guide. The information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the product for his particular use and on condition that they assume the risk of the use thereof. With respect to this publication and the product related thereto, unless otherwise expressly provided by Manufacturer in writing, **MANUFACTURER MAKES NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

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