

# SAFETY DATA SHEET

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## SECTION 1. IDENTIFICATION

**Product Identifier:** Copper Naphthenate

**Product Code:** CU-NAPH-01-LIQ

**CAS Number:** 1338-02-9

**Relevant identified uses of the substance:** Scientific research and development

Supplier details:

American Elements  
10884 Weyburn Ave.  
Los Angeles, CA 90024  
Tel: +1 310-208-0551  
Fax: +1 310-208-0351  
Emergency telephone number:  
+1 800-424-9300

## SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.

GHS07

Acute Tox. 4 H302 Harmful if swallowed.

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS02 GHS07

Signal word

Warning

Hazard-determining components of labeling:

Naphthenic acids, copper salts

Hazard statements

H226 Flammable liquid and vapor.

H302 Harmful if swallowed.

Precautionary statements

P210

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P280

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

P301+P310

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P233

Store in a well-ventilated place. Keep container tightly closed.

P501

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

Health = 1

Fire = 2

Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT:

N/A

vPvB:

N/A

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Description:

Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

1338-02-9 Naphthenic acids, copper salts

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## SECTION 4. FIRST AID MEASURES

Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

If inhaled:

Supply fresh air; consult doctor in case of complaints.

In case of skin contact:

Immediately rinse with water.

In case of eye contact:

Rinse opened eye for several minutes under running water. Consult a physician.

If swallowed:

Immediately call a doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed

No data available

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## SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:

Water with full jet

Special hazards arising from the substance or mixture

No data available

Advice for firefighters

Protective equipment:

No special measures required.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep unprotected persons away.

Environmental precautions:

Do not allow product to enter drains, sewage systems, or other water courses.

Prevent seepage into sewage system, workpits and cellars.

Inform respective authorities in case of seepage into water courses, or sewage systems.

Methods and materials for containment and cleanup:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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## SECTION 7. HANDLING AND STORAGE

Handling:

Precautions for safe handling

No special precautions are necessary if used correctly.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Keep receptacle tightly sealed.

Specific end use(s)

No data available

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:

No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

None.

Additional information:

The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Breathing equipment:

Not required.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:

Form: Liquid

Color: Dark green

Odor: Characteristic

Odor threshold: No data available.

pH: No data available.

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

Flash point: 40 °C (104 °F)

Flammability (solid, gas): No data available.

Ignition temperature: 229 °C (444 °F)

Decomposition temperature: No data available.

Autoignition: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Explosion limits:

Lower: No data available.

Upper: No data available.

Vapor pressure: No data available.

Density: No data available.

Relative density

No data available.

Vapor density

No data available.

Evaporation rate

No data available.

Solubility in Water (H<sub>2</sub>O): Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): No data available.

Viscosity:

Dynamic: No data available.

Kinematic: No data available.

Solvent content:

Organic solvents:

0.0 %

VOC content:

0.0 g/l / 0.00 lb/gl

Other information

No data available

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## SECTION 10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions

No dangerous reactions known.

Conditions to avoid

No data available

Incompatible materials:

No data available

Hazardous decomposition products:

No dangerous decomposition products known.

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## SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin:

No irritant effect.

on the eye:

No irritating effect.  
Sensitization:  
No sensitizing effects known.  
Additional toxicological information:  
Harmful  
Carcinogenic categories  
IARC (International Agency for Research on Cancer)  
None of the ingredients is listed.  
NTP (National Toxicology Program)  
None of the ingredients is listed.  
OSHA-Ca (Occupational Safety & Health Administration)  
None of the ingredients is listed.

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## **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity  
Aquatic toxicity:  
No data available  
Persistence and degradability  
No data available  
Behavior in environmental systems:  
Bioaccumulative potential  
No data available  
Mobility in soil  
No data available  
Additional ecological information:  
Not known to be hazardous to water.  
Results of PBT and vPvB assessment  
PBT:  
N/A  
vPvB:  
N/A  
Other adverse effects  
No data available

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

Waste treatment methods  
Recommendation:  
Must not be disposed of together with household garbage. Do not allow product to enter drains, sewage systems, or other water courses system.  
Uncleaned packagings:  
Recommendation:  
Disposal must be made according to official regulations.

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## **SECTION 14. TRANSPORT INFORMATION**

UN-Number  
DOT, IMDG, IATA  
UN1993

UN proper shipping name  
DOT  
Flammable liquids, n.o.s.  
IMDG  
FLAMMABLE LIQUID, N.O.S.  
IATA  
Flammable liquid, n.o.s.  
Transport hazard class(es)  
DOT  
Class  
3 Flammable liquids  
Label  
3  
IMDG, IATA  
Class  
3 Flammable liquids  
Label  
3  
Packing group  
DOT, IMDG, IATA  
III  
Environmental hazards:  
Product contains environmentally hazardous substances:  
Naphthenic acids, copper salts  
Marine pollutant: No  
Special precautions for user  
Warning: Flammable liquids  
Danger code (Kemler): 30  
EMS Number: F-E,S-E  
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
N/A  
Transport/Additional information:  
DOT  
Quantity limitations  
On passenger aircraft/rail: 60 L  
On cargo aircraft only: 220 L  
IMDG  
Limited quantities (LQ)  
5L  
Excepted quantities (EQ)  
Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml  
UN "Model Regulation":  
UN 1993 FLAMMABLE LIQUIDS, N.O.S., 3, III

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## SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture  
Sara  
Section 355 (extremely hazardous substances):  
None of the ingredients is listed.  
Section 313 (Specific toxic chemical listings):

All ingredients are listed.  
TSCA (Toxic Substances Control Act):  
All ingredients are listed.  
Proposition 65  
Chemicals known to cause cancer:  
None of the ingredients is listed.  
Chemicals known to cause reproductive toxicity for females:  
None of the ingredients is listed.  
Chemicals known to cause reproductive toxicity for males:  
None of the ingredients is listed.  
Chemicals known to cause developmental toxicity:  
None of the ingredients is listed.  
Carcinogenic categories  
EPA (Environmental Protection Agency)  
None of the ingredients is listed.  
TLV (Threshold Limit Value established by ACGIH)  
None of the ingredients is listed.

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## 16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.