

# SAFETY DATA SHEET

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## SECTION 1. IDENTIFICATION

**Product Identifier:** Chromium(III) Naphthenate

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

**CAS Number:** 61788-69-0

**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

GHS08 Health hazard

STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

· Label elements

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

· Hazard pictograms



Signal word Danger

· Hazard-determining components of labeling:

Stoddard solvent

· Hazard statements

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

· 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.  
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.

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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:  
8052-41-3 Stoddard solvent 70.0%  
61788-69-0 Chromium (III) naphthenate 30.0%
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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.
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Immediately rinse with water.
  - After eye contact: Rinse opened eye for several minutes under running water.
  - After swallowing: If symptoms persist consult doctor.
  - Information for doctor:  
· Most important symptoms and effects, both acute and delayed No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed  
No further relevant information 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.
  - Special hazards arising from the substance or mixture No further relevant information 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  
Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.

- Methods and material for containment and cleaning up:  
Dispose contaminated material as waste according to item 13.
  - 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 Open and handle receptacle with care.
    - Information about protection against explosions and fires:  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
    - Conditions for safe storage, including any incompatibilities
  - Storage:
    - 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 further relevant information available.
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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- 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.  
Store protective clothing separately.
  - Breathing equipment:  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use  
respiratory protective device that is independent of circulating air.
  - Protection of hands:  
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

- General Information

- Appearance:

Form: Liquid

Color: Dark green

- Odor: Petrol-like

- Odor threshold: Not determined.

- pH-value: Not applicable.

- Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

- Flash point: 40 °C (104 °F)

- Flammability (solid, gaseous): Not determined.

- Ignition temperature: 230 °C (446 °F)

- Decomposition temperature: Not determined.

- Auto igniting: Product is not selfigniting.

- Danger of explosion: Product does not present an explosion hazard.

- Explosion limits:

Lower: 1.1 Vol %

Upper: 6.0 Vol %

- Vapor pressure: Not applicable.

- Density: Not determined.

- Relative density Not determined.

- Vapor density Not applicable.

- Evaporation rate Not applicable.

- Solubility in / Miscibility with

Water: Insoluble.

- Partition coefficient (n-octanol/water): Not determined.

- Viscosity:

Dynamic: Not applicable.

Kinematic: Not applicable.

- Solvent content:

Organic solvents: 0.0 %

VOC content: 0.0 g/l / 0.00 lb/gl

Solids content: 100.0 %

- Other information No further relevant information available.

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## SECTION 10. STABILITY AND REACTIVITY

Reactivity No further relevant information 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 further relevant information available.

- Incompatible materials: No further relevant information available.

- Hazardous decomposition products: No dangerous decomposition products known.
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## **SECTION 11. TOXICOLOGICAL INFORMATION**

- Information on toxicological effects
- Acute toxicity:
- LD/LC50 values that are relevant for classification:  
Oral LD50 >34600 mg/kg (rat)
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

- 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 further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
  - Other adverse effects No further relevant information 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 reach sewage 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:
- Marine pollutant: No
- Special precautions for user Warning: Flammable liquids
- Danger code (Kemler): 63
- EMS Number: F-E, S-E
- Stowage Category A
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
- 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 g  
Maximum net quantity per outer packaging: 1000 g
- 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):  
None of the ingredients is 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.
  - NIOSH-Ca (National Institute for Occupational Safety and Health)  
None of the ingredients is listed.
  - GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
  - National regulations:
  - Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
  - Chemical safety assessment: A Chemical Safety Assessment has not been carried out.
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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.