



Safety Data Sheet

Classified in accordance 29 CFR 1910.1200

1. Product Identification

Product Information: 4291-18

Product Identifier: Nu-Brite Condenser Coil Cleaner

Recommended Use: Cleaner

Manufacturer/Importer/Distributor Information: NU-CALGON WHOLESALER, INC.
2611 SCHUETZ ROAD
ST. LOUIS, MO 63043

800-554-5499 / +1-314-469-7000

Emergency Telephone: 1-800-424-9300

Restrictions on Use:
None

2. Hazard(s) identification

Classification

Aerosol, category 3
Skin Corrosion, category 1A

Label elements

HAZARD PICTOGRAMS



SIGNAL WORD

Danger

GHS HAZARD STATEMENTS

H229 Pressurized container: may burst if heated
H314 Causes severe skin burns and eye damage.

GHS PRECAUTIONARY STATEMENTS

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P260 Do not breathe fumes, mists, vapours or spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves, protective clothing, eye protection, and face protection

Response

P301+P330+P331+P310	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363	Wash contaminated clothing before reuse.
Storage	
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
Disposal	
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other Information

None

3. Composition/Information on Ingredients

Mixtures

<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Content in Percent (%)*</u>
Sodium Hydroxide	1310-73-2	5-10
Butane	106-97-8	1-5
Monoethanolamine	141-43-5	1-5
Propane	74-98-6	1-5

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: Other components are not hazardous or are below required disclosure limits.

The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.

EYE CONTACT: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention. Immediately flush eyes thoroughly with large quantities of water for at least 20 minutes, while holding the eye lids open to be sure the material is washed out. Remove contact lenses if present and easy to do. Get immediate medical attention.

INHALATION: Move to fresh air.

INGESTION: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

IMPORTANT SYMPTOMS: May cause severe eye irritation and burns with possible eye damage.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Get medical attention if symptoms occur.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressurized container may explode when exposed to heat or flame.

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS : No data available

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and Storage

HANDLING: Wear personal protective equipment.

SAFE HANDLING ADVICE: Observe good industrial hygiene practices.

STORAGE: No data available

NFPA 30B: Aerosol Level 1

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>TLV-TWA</u>	<u>TLV-STEL</u>	<u>PEL-TWA</u>	<u>PEL-CEILING</u>
Sodium Hydroxide	N.E.	N.E.	2 mg/m3	2 mg/m3
Butane	N.E.	1000 ppm	N.E.	N.E.
Monoethanolamine	3 ppm	6 ppm	3 ppm	N.E.
Propane	N.E.	N.E.	1000 ppm	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

ENGINEERING CONTROLS: Provide adequate ventilation.

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield. Chemical safety goggles and faceshield should be worn where splashing is possible.

SKIN PROTECTION: No data available

RESPIRATORY PROTECTION: Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

HYGIENIC PRACTICES: General industrial hygiene practice.

9. Physical and Chemical Properties

Appearance:

Physical State:	Liquid
Form:	Spray Aerosol
Color:	No data available
Odor:	No data available
Odor Threshold:	No data available
pH:	No data available
Freeze Point, °C:	No data available
Boiling Point, °C:	102
Flash Point, °C:	Not applicable to aerosols
Flammability (solid, gas):	Non-flammable Aerosol
Evaporation Rate:	No data available
Combustibility:	Does not Support Combustion
Explosive Limits, %:	1.9 - 23.5
Vapor Pressure @20°C, PSI:	60 - 80
Relative Vapor Density:	Heavier than Air
Relative Density:	No data available
Solubility in Water:	No data available
Partition Coefficient, n-octanol/water:	No data available
Auto-Ignition Temperature, °C:	No data available
Decomposition temperature, °C:	No data available
Kinematic Viscosity:	< 14 mm ² /s or cSt
Particle Characteristics:	
Size Range, microns (µm):	No data available
Percent under 10 microns:	No data available

10. Stability and Reactivity

REACTIVITY: Not reactive under normal conditions of use.

STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

CONDITIONS TO AVOID: Avoid heat or contamination

INCOMPATIBILITY: No data available

HAZARDOUS DECOMPOSITION PRODUCTS: No data available

11. Toxicological Information

Information on Likely Routes of Exposure

SKIN CONTACT EFFECTS: May cause irritation on prolonged or repeated contact.

EYE CONTACT EFFECTS: Exposure to the liquid causes severe eye burns and irreversible damage. Exposure to vapors may cause eye irritation, burning sensation, pain, watering, and vision changes.

INHALATION EFFECTS: Inhalation of high concentrations of mists may cause irritation of the nose throat and upper respiratory tract.

INGESTION EFFECTS: Ingestion may cause irritation of the mucous membranes, esophagus and stomach.

The following Chemicals are listed on IARC Monographs on the Evaluation of Carcinogenic Risk to Humans:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>IARC Listing</u>
7664-93-9	Sulfuric Acid	IARC Group 1,
111-42-2	Diethanolamine	IARC Group 2B,

The following Chemicals are listed on the U.S. National Toxicology Program (NTP) Report on Carcinogens:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>NTP Listing</u>
7664-93-9	Sulfuric Acid	NTP Known Human Carcinogen

The following Chemicals are listed on U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>OSHA Listing</u>
7664-93-9	Sulfuric Acid	Present
111-42-2	Diethanolamine	Present

The following values are calculated based on chapter 3.1 of the GHS document. The product itself has not been tested.

<u>ATE ORAL</u>	14,933 mg/kg
<u>ATE DERMAL</u>	21,617 mg/kg
<u>ATE INHALATION</u>	579 mg/kg

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
1310-73-2	Sodium Hydroxide	5000 mg/kg	5000 mg/kg	100 mg/l
106-97-8	Butane	5000 mg/kg	5000 mg/kg	658 mg/L Rat
141-43-5	Monoethanolamine	500 mg/kg	1100 mg/kg	11 mg/l
74-98-6	Propane	5,000 mg/kg	5,000 mg/kg	100 mg/l

N.I. = No Information

Skin Corrosion & Irritation:

Product:	No data available
Components:	
Sodium Hydroxide	1310-73-2 Causes severe skin burns and eye damage.

Serious Eye Damage & Irritation:

Product:	No data available
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Respiratory or Skin Sensitization:

Product:	No data available
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STOT-Single Exposure:

Product:	No data available
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STOT-Repeated Exposure:

Product:	No data available
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Aspiration Hazard:

Product:	No data available
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Carcinogenicity:

Product: No data available

Reproductive Toxicity:

Product: No data available

Germ Cell Mutagenicity:

Product: No data available

12. Ecological Information

ECOLOGICAL INFORMATION: No data available

PERSISTENCE: No data available

BIOACCUMULATE: No data available

MOBILITY IN SOIL: No data available

OTHER ECOLOGICAL: No data available

13. Disposal Information

DISPOSAL INFORMATION: Consult with your local, regional and federal agencies for information on proper disposal.

CONTAMINATED PACKAGING : Consult with your local, regional and federal agencies for information on proper disposal.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No data available

DOT

UN Number:	UN1950
Proper Shipping Name:	AEROSOLS, non-flammable, containing substances in Class 8, packing group II
Technical Name:	N/A
Hazard Class(es)	
Class:	2.2
Subsidiary Risk	8
Packing Group:	II

IATA

UN Number:	UN1950
Proper Shipping Name:	AEROSOLS, non-flammable, containing substances in Class 8, packing group II
Technical Name:	N/A
Hazard Class(es)	
Class:	2.2
Subsidiary Risk:	8
Packing Group:	II

IMDG

UN Number:	UN1950
Proper Shipping Name:	AEROSOLS, non-flammable, containing substances in Class 8, packing group II
Technical Name:	N/A
Hazard Class(es)	
Class:	2.2
Subsidiary Risk:	8
Packing Group:	II

The classification shown in this section may be eligible for use of an exception, such as 'Limited Quantity', per the dangerous goods regulations. The shipper of this product should consult the applicable mode's regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper's discretion.

15. Regulatory Information

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No SARA 313 components exist in this product.

CHEMICAL INVENTORY STATUS:

TSCA On or in compliance with the inventory

DSL All ingredients in this product are listed on the DSL or are exempt.

CALIFORNIA PROPOSITION 65 CARCINOGENS AND REPRODUCTIVE TOXINS:



WARNING

This product can expose you to Diethanolamine, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

<u>Chemical Name</u>	<u>CAS-No.</u>
Diethanolamine	111-42-2

16. Other Information

Revision Date: 6/11/2025

Datasheet produced by: Regulatory Department

Legend

N/A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

TLV - Threshold Limit Values (TLVs®), as established by the American Conference of Governmental Industrial Hygienists (ACGIH®)

PEL - Permissible Exposure Limit, as established by the U.S. Occupational Safety and Health Administration (OSHA), as amended

TSCA - U.S. Toxic Substance Control Act

DSL - Canada Environmental Protection Act: Domestic Substance List

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where the product use and frequency of exposure exceeds that established for the labeled consumer use.

Further Information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the manufacturer's and seller's control. Purchaser and user are responsible for determining the suitability of the product for a particular purpose, adopting precautions for the protection of property and persons, and compliance with all Federal, State, Provincial, and Local laws.