

SAFETY DATA SHEET

GHS format

SECTION 1 IDENTIFICATION**Product Name:** NARCO Nar-Cide Algaecide**Product Number(s):** P902-3501**Product Use:** Broad spectrum microbiocide for cooling water systems **Restrictions on use:** None known**Distributed by:** Carrier Corporation, Replacement Components, Syracuse, NY**Manufactured by:** North American Research Corporation

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Telephone Numbers: (972) 492-1800, (800) 527-7520, Fax (972) 394-6755**Emergencies:** Infotrac (24 hours, everyday) (800) 535-5053 (US & Canada) 1 (352) 323-3500 (International)**SECTION 2 HAZARD(S) IDENTIFICATION**

Classification	Category	Symbol(s):
Serious eye damage/eye irritation	2B	No symbols required

Signal Word: Warning**Hazard statement(s):** Causes eye irritation.**Precaution(s):****Prevention:** Wash thoroughly after handling.**Response:** 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.**Storage:** Keep out of reach of children.**Disposal:** Dispose of contents and container in accordance with all local, regional, and national regulations.**Other Hazards:** None determined.**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient Name	CAS Registry No.	Weight %
Poly[oxyethylene(dimethylimino)ethylene(dimethylimino)ethylene dichloride]	31512-74-0	20
Water	7732-18-5	80

If the specific chemical identity and/or the exact percentage of an ingredient is not specified, the information has been withheld as a trade secret.

SECTION 4 FIRST-AID MEASURES**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 develops or persists: Get medical advice/attention.**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.**Skin contact:** IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.**Ingestion:** IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.**Most important symptoms/effects:** Not determined.**Indication of immediate medical attention and special treatment needed, if necessary:****Notes to physician:** Treat symptomatically.**Specific treatments:** Show this safety data sheet to the doctor in attendance.**SECTION 5 FIRE-FIGHTING MEASURES****Suitable (and unsuitable) extinguishing media:**

Water spray . Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical:

None known.

Special protective equipment for fire-fighters: Use appropriate equipment for surrounding fire.**SECTION 6 ACCIDENTAL RELEASE MEASURES****Personal precaution, protective equipment and emergency procedures:** Keep unnecessary personnel away. See Section 8 of the SDS for Personal Protective Equipment.**Methods and materials for containment and cleaning-up:**

Contain liquid to prevent contamination of soil, surface water or ground water. Clean up residual with non-combustible absorbent material and wash with water. Collect material in suitable and properly labeled containers.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Wear personal protective equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities: KEEP OUT OF REACH OF CHILDREN. Keep tightly closed in original container.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name	CAS	OSHA PEL	ACGIH TLV	NIOSH
Poly[oxyethylene(dimethylimino)ethylene(dimethylimino)ethylene dichloride]	31512-74-0	Not established	Not established	Not established

Appropriate engineering controls: Provide adequate general and local exhaust ventilation.

Individual protection measures (PPE):

Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

Eye protection: Wear safety glasses with side shields. If splash potential exists, wear full face shield or chemical goggles.

Hand protection: Wear suitable protective gloves.

Skin and body protection: If major exposure is possible, wear suitable protective clothing and footwear.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be implemented whenever workplace conditions warrant use of a respirator.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale amber liquid	U/L flammability or explosive limits	Not determined
Odor	Mild	Vapor pressure	Not determined
Odor threshold	Not determined	Vapor density	Not determined
pH	6 to 8	Relative density (specific gravity)	1.045
Melting point/freezing point	< 32°F (0°C) approximate	Solubility(ies)	Complete in water
Initial boiling point and boiling range	>212°F (100°C) approximate	Partition coefficient: n-octanol/water	Not determined
Flash point	None	Auto-ignition temperature	Not determined
Evaporation rate	Not determined	Decomposition temperature	Not determined
Flammability (solid, gas)	Not determined	Viscosity	Not determined

SECTION 10 STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions.

Chemical stability: Stable under normal temperature conditions and recommended use.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to Avoid: No specific data.

Incompatible materials: No specific data.

Hazardous decomposition products: Material does not decompose at ambient temperatures.

SECTION 11 TOXICOLOGICAL INFORMATION**Information on likely routes of exposure:**

Ingestion: Harmful if swallowed.

Inhalation: No specific data.

Eye contact: Causes eye irritation.

Skin contact: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics: Irritation, watering of the eyes, redness.

Numerical measure of toxicity, component information:

Chemical name	CAS	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Poly[oxyethylene(dimethylimino)ethylene(dimethylimino)ethylene dichloride]	31512-74-0	1850 mg/kg (rat)	> 2,000 mg/kg (rabbit)	2.9 mg/l, 4 hours, rat (dusts and mists)

Acute toxicity:

Skin corrosion/irritation: Not assigned

Serious eye damage/irritation: Causes eye irritation.

Skin sensitization: Not expected to be a sensitizer.

Carcinogenicity: This product is not classified for repeated dose toxicity. This product is not classified as a carcinogen by IARC or U.S. ACGIH, NTP or OSHA. This product has not been shown to produce genetic changes when tested on bacterial or animal cells. This product does not contain known reproductive or developmental toxins.

Reproductive Toxicity: No data available.

Specific target organ toxicity, single exposure: No data available

Specific target organ toxicity, repeated exposure: No data available.

Chronic effects: No data available.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: Poly[oxyethylene(dimethylimino)ethylene(dimethylimino)ethylene dichloride] (31512-74-0): Acute LC50 >600 mg/l., Fish, 96 hours.

Persistence and degradability: No information available.

Bioaccumulation potential: No information available.

Mobility in soil: No information available.

Other adverse effects: None known.

SECTION 13 DISPOSAL CONSIDERATIONS

Unused product: Dispose of container and contents in accordance with local, regional, national and international regulations.

Contaminated containers or packaging: Dispose of packaging or containers in accordance with local, regional, national and international regulations.

SECTION 14 TRANSPORT INFORMATION

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT, IMDG, IATA	Not regulated	—	—	—

SECTION 15 REGULATORY INFORMATION

TSCA: All components of this product are on the U.S. Toxic Substances Control Act (TSCA) Chemical Substances Inventory or are exempt.

CERCLA: No listed ingredients.

SARA TITLE III:

Section 311/312 Hazard Category:

Acute: Yes Chronic: No Fire: No Sudden Release of Pressure: No Reactive Hazard: No

Section 313 Reportable Ingredients: No listed ingredients.

CALIFORNIA (Proposition 65): No listed ingredients.

SECTION 16 OTHER INFORMATION

Date Prepared: May. 22, 2015 **Replaces:** Feb. 06, 2012

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