

MSDS - Material Safety Data Sheet

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Name: **Nar-Shield**

Water Treatment Inhibitor for Air Conditioning Equipment & Cooling Towers.

Company Identification: Gur Thermal Systems Cleaning Technologies Ltd., Israel.

For information call: +972 3 6492053 \ Fax: +972 3 6482892

Emergency Number: +972-544653064 / Local Health Authority.

2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Non-Corrosive compound. May be harmful if swallowed. Non Toxic.

Sub risk: Non - Corrosive.

Potential Health Effects -

Eye: Irritating.

Skin: moderately irritating.

Ingestion: may be irritating to mouth, throat and stomach

Inhalation: non - hazardous.

3 - COMPOSITION, INFORMATION ON INGREDIENTS

Mixture of NON hazard detergents and surfactants

Components	Chemical formula	CAS Mo.	Percent
Polyphosphates stabilized with chelating agents	Proprietary	N/A	5% - 10%
Polymeric dispersing agents	Proprietary	N/A	2% - 8%
Nonionic Surfactant	Proprietary	N/A	5% - 10%

4 - FIRST AID MEASURES

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid.

Skin:

non - hazardous.

Ingestion:

Drink plenty of water. Get medical aid. Do not induce vomiting.

Inhalation:

Remove to fresh air.

Get medical attention immediately.

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5 - FIRE FIGHTING MEASURES

Non combustible compound.
Use suitable extinguishing media - Water spray, CO2, Foam.
Wear appropriate protective clothing.
Mount respiratory protective device, if necessary.

6 - ACCIDENTAL RELEASE MEASURES

Use proper clothing & equipment.
Ventilate area of spill.
Spills: Dilute with a large amount of water.
Spills/Leaks: Absorb & collect spill in suitable disposal container.

7 - HANDLING and STORAGE

Handling:

Handle with care. Wash thoroughly after handling.
Avoid contact with skin and eyes. Avoid breathing.
Avoid contact with clothing

Storage:

Store in a tightly closed container.
Store in a cool, dry, well-ventilated area, away from incompatible substances as explosives.

8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Insure adequate ventilation to control any misting conditions. Eye wash station and safety shower in handling area.

Exposure Limits

No ingredients have an established exposure limit (TLV)
OSHA PEL: non-establish
ACGIH TLV: non-establish
DPG MAK: non

Personal Protective Equipment –

Eyes: Wear safety goggles or face shield.

Maintain eye wash fountain and quick-drench facilities in work area.

Skin: Wear appropriate rubber gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing

Respirators: Specific use conditions (spraying/confined spaces) may require approved air purifying dust or mist respirator or European Standard EN 149.

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9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	liquid
Appearance:	Green to light Green
Odor:	Mild
pH:	7.5-9
Vapor Pressure:	ab. 5 mm at 20 cen grade
Freezing point	< 32.00 °F (0 °C)
Boiling Point:	> 212.00 °F (100 °C)
Evaporation rate	< 1 (BuAc = 1)
Flash Point :	Not Applicable
Solubility:	Soluble in water
Specific Gravity/Density:	1.05 kg/dm ³

10 - STABILITY AND REACTIVITY

Normally stable.

Conditions to Avoid: Incompatible materials, sunlight & heat.

light metals (as Zn , Al) & reactive organic compounds.

Hazardous Polymerization: Will not occur.

11 - TOXICOLOGICAL INFORMATION

Non toxic.

IARC carcinogenic category - none

Epidemiology: No data available.

12 - ECOLOGICAL INFORMATION

Product has not been tested; however, based on the components, this product is expected to have low acute toxicity to aquatic organisms.

Product is expected to be readily biodegradable.

Material is not expected to bioaccumulate.

The components in this product are water soluble and highly mobile in soil.

Do not allow material to run into surface waters, wastewater, sewers or soil.

13 - DISPOSAL CONSIDERATIONS

Dilute with water.

Dispose of in a manner consistent with local regulations.

Transfer to a licensed disposal contractor when required.

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14 - TRANSPORT INFORMATION

US DOT – Ground / Domestic:

UN Number: Not required.

Dangerous Goods Class: Non-hazardous.

IATA - Air

UN Number: Not required.

Dangerous Goods Class: Non-hazardous.

IMO/IMDG - Water:

UN Number: Not required.

Dangerous Goods Class: Non-hazardous.

RID/ADR - Rail, Road

UN Number: Not required.

Dangerous Goods Class: Non-hazardous.

15 - REGULATORY INFORMATION

Reported \ included on the EPA TSCA inventory list.

Community Right To Know list.

Labeling (67/548/EEC to 1999/45/EC): Xi – Irritant



Risk Phrases:

R36/38 - Irritating to eyes and skin.

Safety Phrases:

S2 - Keep out of the reach of children.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 - Wear suitable gloves and eye/face protection.

16 - ADDITIONAL INFORMATION

According to EC Directive 91/155/EEC.

MSDS Creation Date: 2001. Amendment, by d.k. Revision: 6, 8\2020.

The information above is believed to be accurate & represents the best information currently available to us.

However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

In no way shall supplier be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if has been advised of the possibility of such damages.

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