

SAFETY DATA SHEET

Item Code: N0712 & N0713

Section 1.	Identification of the material and the supplier
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Item Code:	N0712 : N0713
Product:	Nickel Safe Ice Machine Cleaner
Product Use:	Ice Machine Cleaner
New Zealand Supplier:	Realcold Ltd
Address:	9 Prescott Street Penrose, Auckland
Telephone:	09 526 5700
Fax Number:	09 526 5721
Emergency Telephone:	09 526 5700 0800 766 764 (National Poison Centre)
Manufacturer:	Greenearth Solutions Ltd, PO Box 64-125, Botany
Date of SDS Preparation:	14 March 2017- ver 2

Section 2.	Hazards Identification
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This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Group Standard & EPA Approval Code: Cleaning Products (Corrosive) – HSR002526

Pictograms



Corrosive

HSNO Class.	Hazard Code	Hazard Statement	EU Risk Phrases
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8.2C	H314	Causes severe skin burns and eye damage.	R34
8.3A	H318	Causes serious eye damage.	R41

Prevention Code	Prevention Statement
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P102	Keep out of reach of children.
P103	Read label before use.
P104	Read safety data sheet before use
P260	Do not breathe fumes or vapours.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing.

Response Code Response Statement

P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P301 + P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position 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.

Storage Code Storage Statement

P405	Store locked up.
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Disposal Code Disposal Statement

P501	Dispose of absorbed materials and liquid waste in accordance with all local regulations.
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Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Lactic Acid	20%	50-21-5
Citric Acid	10%	5949-29-1
Balance non hazardous substances	To balance	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.
If on Skin	Remove contaminated clothing and wash skin with warm soapy water. Do not scrub. If swelling, redness, blistering or irritation occurs, get medical assistance
If Swallowed	If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Section 5. Fire Fighting Measures

Hazard Type	Non combustible
Hazards from decomposition products	Material can generate explosive hydrogen gas on contact with certain metals.
Suitable Extinguishing media	Use agents appropriate for surrounding fires
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus (SCBA) and other protective clothing. Evacuate immediate area.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Evacuate area and keep upwind until gas has dispersed. Dike spill. Dilute with water fog (direct application of alkali may cause violent splattering). Neutralize with sodium bicarbonate. Persons not wearing protective equipment and clothing should be restricted from areas of spills or leaks until clean up has been completed.

Section 7. Handling and Storage

Handling Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames. This product will attack glass, concrete and certain metals. Refrain from splashing product when pouring. Avoid all contact with skin or clothing.

Storage Store only in plastic containers. DO NOT USE METAL CANS. Empty containers may contain residues and vapors. KEEP OUT OF REACH OF CHILDREN

Section 8 Exposure Controls / Personal Protection

Engineering Controls Local exhaust acceptable

Personal Protection

Respiratory protection: In confined poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air purifying or supplied air respirators.

Protective gloves: Wear acid resistant gloves (neoprene, PVC, butyl rubber).

Eye protection: Full-face shield and chemical splash goggles (ANSI Z-87.1 or equivalent).

Other: Acid resistant vinyl or polyethylene coated coveralls. Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

Section 9 Physical and Chemical Properties

Appearance Clear Liquid

Product Name: Nickel Safe Ice Machine Cleaner Item No: N0712/3 Issued by: Realcold Ltd
Date of SDS: 23 November 2012 Tel: 09 526 5700

Odour	Irritating odour
Flash Point	N/A
Boiling Point	>212°C @ 760mm Hg
Relative Vapour Density (air=1):	1
Specific Gravity	1.27
Solubility in Water	Soluble
Vapour Pressure	3.4 @ 20°C
Evaporation Rate	<1

Section 10. Stability and Reactivity

Stability of Substance	Stable
Conditions to Avoid	Avoid exposure to heat.
Materials to Avoid	Incompatible with strong oxidising agents, alkalis, carbon steel and sources of ignition. The solution will very slowly corrode mild steel and soften concrete.

Section 11 Toxicological Information

Acute Oral Toxicity

Lactic Acid: Oral-Rat LD50 (Guinea Pig) =1810 mg/kg

Chronic Effects

If in Eyes Corrosive, causes severe irritation and eye burns.

If on Skin Corrosive, causes irritation and skin burns.

If Swallowed No adverse effects expected, however, large amounts may cause nausea and vomiting. Swallowing may result in irritation of the mouth and throat. Frequent or large oral doses can cause tooth erosion.

If Inhaled May cause irritation to the nose and lungs. Use in fresh air recommended.

Section 12. Ecotoxicological Information

Ecotoxicity Effects: Highly toxic for fish, not considered to be toxic for bacteria.

Degradability: Easily biodegradable.

Section 13. Disposal Considerations

Dispose of absorbed materials and liquid waste in accordance with all local regulations.

Section 14 Transport Information

Classified as a Dangerous Good for transport in NZ ; NZS 5433:2007

Road and Rail Transport

UN No: 1760
Class-primary 8

Product Name: Nickel Safe Ice Machine Cleaner Item No: N0712/3 Issued by: Realcold Ltd
Date of SDS: 23 November 2012 Tel: 09 526 5700

Packing Group III
Proper Shipping Name: Corrosive Liquid, n.o.s., (Lactic Acid),

Air Transport

UN No: 1760
Class-primary 8
Packing Group III
Proper Shipping Name: Corrosive Liquid, n.o.s., (Lactic Acid),

Marine Transport

UN No: 1760
Class-primary 8
Packing Group III
Proper Shipping Name: Corrosive Liquid, n.o.s., (Lactic Acid),

Section 15 Regulatory Information

EPA Approval Code: Group Standard: Cleaning Products (Corrosive) – HSR002526

HSNO Classification: 8.2C, 8.3A

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not Required
Location Certificate	Not applicable
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	1000L
Emergency Response Plan trigger Quantities	1000L

Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

Disclaimer

This document has been issued by Realcold Limited and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Realcold Limited or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Realcold Limited have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Realcold Limited accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand distributor, Realcold Ltd, if further information is required.

Issue Date: 23 November 2012

Review Date: 23 November 2017

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