



Triple Eight Chemicals Pty Ltd
16/50-52 Malvern Street, Bayswater VIC 3153
PO Box. 730, Bayswater VIC 3153

☎ (03) 9720 8455

☎ (03) 9720 8417

✉ reception@888chemicals.com.au

ABN 94 065 081 236

Australian Owned and Made

ICE BANK DESCALER & ICE MACHINE CLEANER

Description:

Ice Bank Descaler and Ice Machine Cleaner is a powerful acidic based detergent used for the removal of water scale and insoluble deposits from both ice machines and glass washing/dishwashing machines.

Ice Bank Descaler and Ice Machine Cleaner contains highly effective scale dissolving organic acids and fast penetrating wetting agents to ensure scale is quickly and safely removed from the inside of machines. Scale becomes dislodged and remains in solution or suspension, permitting complete removal when rinsing.

Ice Bank Descaler and Ice Machine Cleaner is also designed to be used either manually or by recirculation techniques making it a versatile product for all machines where water scale occurs.

Benefits:

- Liquid formulation for easy dilution
- Powerful organic acid base to quickly attack scale
- Fast acting wetting agents to allow penetration of scale
- Effective detergent action permits manual cleaning of soil and grease from surfaces
- Will not harm stainless steel or plastic surfaces.



Directions for Use:

Ensure correct apron, rubber gloves and safety glasses are worn before commencing cleaning operation.

Descaling and cleaning ice banks and machines.

Dilute **Ice Bank Descaler and Ice Machine Cleaner** 1 part to 50 parts water (2% v/v) in tap water then apply liberally over internal surfaces of empty machine. As surfaces may be cold, allow a few minutes contact time to gain the best penetrating effect. Rub treated surfaces with a soft scourer or sponge paying attention to corners and seams within machine. Rinse out with tap water before refilling machine.

Descaling glasswashing and dishwashing machines.

Turn off machine detergent dispensing equipment and dump contents of tank. Refill with fresh water then add **Ice Bank Descaler and Ice Machine Cleaner** at the rate of 20 mls per litre of tank volume. Turn on machine and allow solution to recirculate for approximately 10 minutes. Dump tank contents and turn on machine again with rinse cycle selected.

Alternatively dump tank and rinse manually with fresh water. Small residues of **Ice Bank Descaler and Ice Machine Cleaner** remaining will not hinder performance when machine is returned to normal operation.

Where once through glasswashing machines are to be cleaned, simply replace detergent feed line from normal detergent container to **Ice Bank Descaler and Ice Machine Cleaner** container and allow machine to run for 10 minutes. Remove descaler and return machine to normal operation.



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ICE BANK DESCALER & ICE MACHINE CLEANER

- **Colour dyed** for safety and cleaning solution recognition.
- Manufactured from **food grade** ingredients.
- Low acid formulation for **improved safety** in use.
- Stable food grade dye used for **safety and improved storage life** of product.
- Manufactured under strict **HACCP** requirements.
- Concentrated formulation for **economical cleaning**.
- **Powerful cleaning** action for fast removal of water scale, soils and biofilms even at low temperatures.
- Safe on lines, seals and stainless steel fittings.
- Free rinsing allowing **lower water consumption**.
- Drum label colour coded to wall charts and MSDS for extra safety.
- Linked to **colour coded Cellar System** to avoid product mix ups.
- Also excellent for **descaling glass washing machines**.



ICE BANK DESCALER & ICE MACHINE CLEANER

FOUR STEP CLEANING PROCESS

A SETTING UP

1. Always wear rubber gloves. Apron and safety glasses.
2. Turn off machine.
3. Open drain valve and flush tank with warm water.
4. Close drain valve.

B CLEANING

1. Mix 20mls of **ICE BANK / ICE MACHINE CLEANER** in every 1 litre of warm water used for cleaning.
2. Apply liberally over all internal surfaces of empty machine tank.
3. Allow 1-5 minutes for product to penetrate scale and other soils.
4. Rub treated areas with a soft scourer or sponge, paying particular attention to corners and seams.



C RINSING

1. Open drain valve and allow any solution in tank to drain.
2. Rinse surfaces well with fresh water and allow to drain.
3. Wipe over internal surfaces with a wet sponge to remove any final residual chemical.
4. Give all internal surfaces a final light water rinse and allow to drain completely.

D REFILL MACHINE

1. Close drain valve.
2. Switch on machine and allow to refill with ice.





Cellar SystemTM

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MATERIAL SAFETY DATA SHEET

Issue Date: January 2012

Product Name: **Ice Bank Descaler & Ice Machine Cleaner**

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name	Ice Bank Descaler & Ice Machine Cleaner
Product Use	Liquid mildly acidic cleaner and descaler for ice equipment.
Company Name	888 Triple Chemicals Pty Ltd.
Address	16 / 50-52 Malvern St. Bayswater. VIC Australia 3153
Emergency Tel. Telephone/Fax	0413 115 888 Tel (03) 9720 8455 Fax: (03) 9720 8417

2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition Ingredients	Product based on organic acids and sequesterants												
	<table><thead><tr><th><u>Name</u></th><th><u>CAS</u></th><th><u>Proportion</u></th></tr></thead><tbody><tr><td>Amino-trimethylene phosphonic acid</td><td>6419-19-8</td><td>10-20%</td></tr><tr><td>Wetting agent blend</td><td>N/A</td><td>5-10%</td></tr><tr><td>Water</td><td>N/A</td><td>Rem.</td></tr></tbody></table>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	Amino-trimethylene phosphonic acid	6419-19-8	10-20%	Wetting agent blend	N/A	5-10%	Water	N/A	Rem.
<u>Name</u>	<u>CAS</u>	<u>Proportion</u>											
Amino-trimethylene phosphonic acid	6419-19-8	10-20%											
Wetting agent blend	N/A	5-10%											
Water	N/A	Rem.											



3. HAZARDS IDENTIFICATION

Classified as hazardous according to the criteria of NOHSC and classified as a dangerous good according to the ADG code.

Risk phrases:	R21/22 R35	Harmful in contact with skin and if swallowed. Causes severe burns
Safety phrases:	S2 S36,37,39	Keep out of reach of children. Wear suitable protective clothing, gloves and eye/face protection.
Hazard Category	Corrosive	
Symptoms & Effects	Corrosive to skin and eyes. May cause corneal burns. Repeated or prolonged skin contact with dilute solutions can cause chronic dermatitis.	
Other Hazard Information:	Nil	

ICE BANK DESCALER & ICE MACHINE CLEANER

4. FIRST AID MEASURES

Inhalation	Remove victim to fresh air. Investigate possible misuse of material. Seek medical attention.
Ingestion	Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person
Eye	Remove contact lenses. Immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.
Skin	Wash affected areas with water or dilute vinegar.
First Aid Facilities	Normal washroom facilities. Eye irrigator.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use extinguishing media suitable for surrounding fire situation.
Specific Hazards	Nil.
Precautions in connection with Fire	Firefighters should wear Self-Contained Breathing Apparatus and full protective clothing to minimise exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. If safe to do so, remove undamaged containers from fire area.



6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Contain and collect using absorbent material. Small spills may be flushed to sewer. Dispose of to landfill.
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7. HANDLING AND STORAGE

Handling	Repeated or prolonged exposure to the concentrate and dilute solutions without personal protection should be avoided in order to lessen the possibility of tissue damage. It is essential that all who come into contact with this material maintain good standards of personal hygiene i.e. washing hands prior to eating, drinking or going to the toilet. Use only in a well ventilated area. Keep container closed and bung in place.
Storage	Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.



ICE BANK DESCALER & ICE MACHINE CLEANER

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits	No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However as with all chemicals, exposure to concentrate should be kept to the least possible levels.
Respiratory Protection	Not necessary for the diluted product or when handling concentrate.
Eye Protection	Safety glasses.
Hand Protection	Plastic or rubber gloves recommended.
Body Protection	Waterproof apron and rubber boots.
Eng. Controls	N/A.
Other information	No Biological Limit Value allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear emerald green low viscosity liquid.
Odour	Neutral.
Boiling Point	110°C
Solubility in Water	Infinitely soluble in water
Specific Gravity (H₂O = 1)	1.15 @ 20 °C
Physical State	Liquid.
pH	Concentrate <2, 1% v/v 2.5. (acidic)
Flash Point	Non flammable
Flammability	Non flammable
Flammable Limits LEL	Non flammable
Flammable Limits UEL	Non flammable



10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and handling.
Hazardous Polymerization	Will not occur.
Materials to Avoid Hazardous Decomposition Products	Strong alkalis.
Hazardous Reaction	None known. Reacts with strong alkalis to produce heat.





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11. TOXICOLOGICAL INFORMATION

Toxicology Information
Inhalation
Ingestion

Not available for product.

Skin

Ingredients are considered non hazardous when used as directed
Mists of diluted product may cause irritation to nose and throat.
Potential symptoms nausea, diarrhoea, abdominal pain and vomiting.
Incidental contact with dilute solutions may cause skin irritation which can result in redness, itchiness, swelling and possibly lead to dermatitis.
Contact with concentrate and dilute solutions will cause damage to skin tissue.

Eye
Chronic Effects

The concentrate is corrosive to the eye.
No known adverse effects.

12. ECOLOGICAL INFORMATION

Environ. Protection
Mobility
Persistence /
Degradability
Bioaccumulation
Ecotoxicity

Harmful to aquatic life when diluted and in concentrate form.
Highly soluble in water.
No data is available for this product.
Fully biodegradable
No data is available for this product.
No data is available for this product.



13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

U.N. Number	1760
Proper Shipping Name	Corrosive liquid N.O.S (aminotri methylene phosphonic acid)
DG Class	8
Hazchem Code	2R
Packing Group	II
EPG Number	None allocated
IERG Number	None allocated





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15. REGULATORY INFORMATION

Safety Phrase	S2 S24/25 S36,37,39	Keep out of reach of children. Avoid contact with skin and eyes Wear suitable protective clothing, gloves and eye/face protection
Poisons Schedule AICS (Australia)	Schedule 5 All ingredients are listed in the Australian Inventory of Chemical Substances (AICS).	

16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

**Contact Person/Point
SDS History** Manager, 888 Triple Eight Chemicals (03) 9720 8455
MSDS Creation: January 2012.



...End of MSDS...

