Safety Data Sheet

Number: **RW0149-15**

Section 1 - Identification

Product Name: **Northern Charge Air Cooler Cleaner**

An inorganic acid cleaner.

Revised: 11/23/15

Damon Industries, Inc. **12435 Rockhill Ave NE** **Alliance, Ohio 44601** **U.S.A.**	**1-800-362-9850** **1-330-821-5310** **1-330-821-6355 Fax** **info@DamonQ.com**	**24 HOUR EMERGENCY RESPONSE** **1-800-535-5053 (U.S. & Canada)** **001-352-323-3500 (International)**

Section 2 - Hazards Identification

Hazard categories: Corrosive to Metals 1; Skin Corrosion/Irritation 1; Eye Corrosion/Irritation 1; Skin Sensitization 1, Aspiration Hazard 2

Signal word: Danger

Hazard statements: May be corrosive to metals.
Causes severe skin burns and serious eye damage.
May cause an allergic skin reaction.
May be harmful if swallowed and enters airways.

Pictograms: Corrosion, Exclamation, Health

Precautionary statements

Prevention

Keep only in original container
Do not breathe vapors.
Wash hands thoroughly after handling.
Wear protective gloves such as rubber, latex, or PVC.
Wear protective clothing such as an apron.
Wear eye protection such as safety glass with side shields.
Contaminated work clothing should not be allowed out of the workplace.

Response

IF SWALLOWED: Do NOT induce vomiting. Immediately call a POISON CENTER.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER.
Absorb spillage to prevent material damage.

Storage

Store in corrosive resistant container with a resistant inner liner. Store locked up.

Disposal

Dispose of contents in accordance with local, regional, national and international regulations.

Section 3 - Composition / Information on Ingredients

Ingredient	C.A.S. No.	Concentration
Water	7732-18-5	67%
2-Butoxyethanol	111-76-2	10%
Terpene hydrocarbons, by-product	273-309-3	8%
Sulfuric acid	7664-93-9	5%
Polyethylene glycol octylphenyl ether	9036-19-5	5%
Alcohols, C9-11, ethoxylated	68439-46-3	4%

The remaining ingredients are not reportable as described in Appendix D to Sec. 1910.1200 Table D.1.

Section 4 - First Aid Measures

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, lifting upper and lower eyelids occasionally. Immediately call a POISON CENTER.
Skin Contact: Take off immediately all contaminated clothing and shoes. Rinse skin with water or shower. If redness, irritation or other symptoms exist after flushing, get medical attention immediately. Wash clothing before wearing again. Throw away contaminated shoes.

Inhalation: Move the affected person to fresh air. If irritation, coughing or other symptoms persist, get medical attention.
Ingestion: If the product is swallowed, do NOT induce vomiting. If affected person is conscious, give a glass of water or milk to drink. Treat for shock by keeping the person warm and quiet. Get medical attention immediately.

Section 5 - Fire-Fighting Measures

Extinguishing Media: Any except carbonate dry powder due to reactivity.
Special Fire Fighting Procedures: None.
Unusual Fire And Explosion Hazards: Contact with reactive metals will form hydrogen gas.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Use adequate personal protective equipment. Spills of 1 gallon or less can be washed to the sanitary sewer with plenty of water. For larger spills, dike to prevent entry into sewers and spread soda ash (sodium carbonate) over the spill to neutralize and absorb. Collected material into clean pails or drums. Wash residue to a sanitary sewer with a large quantity of water. Wash the area with an alkaline detergent or a 50% solution of baking soda.

Section 7 - Handling and Storage

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet and on label. Keep container closed. Store separate from alkalis, oxidizers and reactive metals in a cool, well ventilated place. Remove leaking containers. Product will etch glass, ceramic and polished or painted surfaces.
Bleach Warning: If this product contacts bleach, it could produce a dangerous gas (chlorine).

Section 8 - Exposure Controls / Personal Protection

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
2-Butoxyethanol	111-76-2	10%	50 ppm(1), 5 ppm (2), 20 ppm (3), 25 ppm (4)	75 ppm(4)	-
Sulfuric acid	7664-93-9	5%	1 mg/m^3 (1,2,4), 0.2 mg/m^3 (3)	3 mg/m^3 (3,4)	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hour Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous
Ingredients not shown either have no known limits or are below reportable levels in section 3 above.

Ventilation: If used indoors, provide good room ventilation. Use mechanical exhaust if required to maintain airborne concentrations below the exposure limits.
Respiratory Protection: If the exposure limit will be exceeded or fumes are irritating during use, wear a NIOSH approved respirator with an acid vapor cartridge.
Protective Gloves: Use rubber, latex or PVC gloves. Do not use disposable latex gloves. Disposable Nitrile gloves are good.
Eye Protection: Wear safety glasses with side shields or chemical goggles or face shield depending on the amount of exposure anticipated.
Other Protective Equipment: If splashing is likely to occur, wear aprons, protective clothing or boots as the situation calls for. An eyewash station and safety shower should be located within 10 seconds travel time. Train users in how to properly use these safety items.

Section 9 - Physical and Chemical Properties

Appearance and Odor: A tan liquid with a pine odor.	
Odor Threshold: Not Available	**Vapor Pressure:** Not Available
pH: concentrate 1.0 ± 0.5	**Vapor Density:** Not Available
Melting Point: Not Available	**Relative Density (Specific Gravity):** 1.03
Freezing Point: Not Available	**Solubility(ies): Water:** 100%
Boiling Point, Initial: 220° F.	**Partition coefficient:** Not Available
Boiling Range: Not Available	**Auto-ignition Temperature:** Not Available
Flash Point: None. (ASTM D-56 closed cup)	**Decomposition Temperature:** Not Available
Evaporation Rate: ~1 **(Water = 1)**	**Viscosity:** Same as water.-
Flammability: (solid, gas): Not Applicable	**Volatiles Percent:** 94%
Upper Explosive Limit: None	**V.O.C.:** 22.7% - 230 grams/liter
Lower Explosive Limit: None	

Section 10 - Stability and Reactivity

Incompatibility: Alkalis, bleach, oxidizers, reactive metals. **Hazardous Decomposition Products:** None

Section 11 - Toxicological Information

Primary Routes of Entry: _X_ Skin contact; ___ Skin absorption; _X_ Inhalation; _X_ Ingestion
Potential Health Effects:

Eyes - causes severe damage and may cause blindness very rapidly.
Skin - concentrate causes severe irritation which may become serious burns with permanent damage if not rinsed off soon. Dilutions cause irritation, possibly severe, and may lead to dermatitis with repeated contact.
Swallowing - causes severe damage to mucous membranes and possibly deep tissue damage and gastrointestinal burns.
Breathing - inhalation of vapors causes irritation of the mouth, nose, throat and respiratory passages. Inhalation of mist and prolonged or excessive inhalation of vapors may cause severe damage to the respiratory system.
Target Organs: None.

Section 12 - Ecological Information

Do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Up to 1 gallon may be washed to the sanitary sewer with a large amount of water. Larger amounts should be neutralized to within pH limits of your waste water system and then disposed of in the sanitary sewer. Check to see if absorbent material is hazardous waste in your area or not.

Section 14 - Transport Information

D.O.T.: UN1760, Corrosive liquids, n.o.s., 8, PG II (Contains sulfuric acid)

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 313 Supplier Notification: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and CFR 372.

Chemical Name	C.A.S. No.	% By Weight	Lbs./Gallon
2-Butoxyethanol	111-76-2	10	2.30
Sulfuric acid	7664-93-9	4.9	1.08

Section 16 - Other Information

NFPA: H:3 F:0 I:0 **HMIS® III:** H:3 F:0 P:1 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 5/5/15. Updated D.O.T. information.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.