Safety Data Sheet

Number: DMN0119

Section 1 - Identification

Product Name: Min-Rid™ An acid lime & scale remover. **Revised:** 3/14/16

Damon Industries, Inc. **12435 Rockhill 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: Skin Corrosion/Irritation 1; Eye Corrosion/Irritation 1, Corrosive to metals 1
Signal word: Danger
Hazard statements: Causes severe skin burns and serious eye damage.
May be corrosive to metals.
Pictogram: Corrosion

Precautionary statements

Prevention

Keep only in original container. Do not breath dusts or mists.
Wash hands thoroughly after handling. Wear protective gloves such as latex.
Wear eye protection such as safety glasses with side shields.

Response

IF SWALLOWED: Rinse mouth. Do not induce vomiting.
IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse with water. Wash contaminated clothing before reuse.
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.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER for medical advice.
Absorb spillage to prevent material damage.

Storage

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

Disposal

Dispose of contents and empty container in accordance with all applicable regulations for your locality.

Section 3 - Composition / Information on Ingredients

Ingredient	C.A.S. No.	Concentration
Water	7732-18-5	66%
Phosphoric Acid	7664-38-2	25%
Hydroxyacetic Acid	79-14-1	9%

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: Remove contaminated clothing and shoes immediately. If there is no redness or irritation wash with soap and water. If there is redness or irritation flush skin with running water for 15 minutes. If irritation persists, get medical attention. Wash contaminated clothing before reuse.
Inhalation: Move affected person to fresh air. If irritation persists 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 person warm and quiet. Get medical attention immediately.

Section 5 - Fire-Fighting Measures

Extinguishing Media: Any **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: Clean up small spills with a rag or mop. Wash the area with an alkaline detergent or a 50% solution of baking soda. Spills of 4 gallons or less can be washed to a sanitary sewer with plenty of water. Larger spills should diked to prevent spreading and then collected into clean pails or drums.

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 in a cool, well ventilated area. Remove leaking containers.

If this product contacts bleach or a cleaner containing bleach, it could produce a dangerous gas (chlorine). If your facility uses bleach, or a cleaner containing bleach, look at the MSDS on the bleach product now, to learn what to do if chlorine is accidentally produced. Your facility should decide upon the appropriate emergency action plan for accidental release of chlorine as a part of your emergency preparedness plan. Contact Damon Industries if more information is needed.

Section 8 - Exposure Controls / Personal Protection

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Phosphoric Acid	7664-38-2	25%	1 mg/m^3(1,2,3,4)	3 mg/m^3(2,3,4)	-
Hydroxyacetic Acid	79-14-1	9%	10mg/m^3 (DuPont)	-	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hr 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: Good room ventilation.
Respiratory Protection: None when used as directed. If product is sprayed wear a NIOSH approved respirator with an acid cartridge.
Protective Gloves: Wear rubber or latex gloves.
Eye Protection: Wear safety glasses with side shields.
Other Protective Equipment: An eye wash station should be located within 10 seconds travel time from where the concentrate is mixed or used.

Section 9 - Physical and Chemical Properties

Appearance and Odor: Clear light brown liquid with vinegar odor.	
Odor Threshold: Not Available	**Vapor Pressure:** Not Available
pH: concentrate 0.5 ± 0.5	**Vapor Density:** Not Available
Melting Point: Not Available	**Relative Density (Specific Gravity):** 1.16
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:** 78%
Upper Explosive Limit: Not Available	**V.O.C.:** 0% - 0 grams/liter
Lower Explosive Limit: Not Available	

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 - Concentrate causes severe irritation and moderate damage. Dilutions cause moderate to severe irritation.
Skin - Concentrate causes irritation and redness; possibly damage with prolonged contact. Brief contact has little or no effect when rinsed off promptly. Dilutions cause irritation and redness.
Swallowing - causes irritation and burns to mucous membranes.
Breathing - excessive inhalation of vapors or inhalation of sprayer mist may cause irritation of the nose, throat and respiratory passages.

Section 12 - Ecological Information

Do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Dispose of up to 4 gallons of concentrate in the sanitary sewer with a large amount of water. Some sewage departments may allow you to dispose of larger quantities without neutralizing. Call them for approval. Larger amounts may have to be neutralized to within the pH limits of your waste water treatment system before disposal. Call Damon Industries at 1-800-362-9850 if you need neutralizing instructions.

Section 14 - Transport Information

D.O.T. Hazard Class: Gallons and smaller: ORM-D in North America and LTD QTY internationally.
Larger than gallons: UN1760, Corrosive Liquids, N.O.S. (Phosphoric and Glycolic Acids), 8, P.G. III

Section 15 - Regulatory Information

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

Section 16 - Other Information

NFPA: H:1 F:0 I:0 **HMIS® III:** H:2 F:0 P:0 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 7/13/15. Updated D.O.T. description.

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.