

Section 1 - Identification

Product Name: **Neutra-Guard™**

A peracetic acid and hydrogen peroxide disinfectant.

Revised: 2/19/16

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

Section 2 - Hazards Identification

Hazard categories: Flammable Liquids 4; Organic Peroxides- Type F; Acute Toxicity-Oral 4; Skin Corrosion/Irritation 1; Eye Corrosion/Irritation 1; STOT- single exposure (respiratory) 3.

Hazard statements: Combustible Liquid, Heating may cause fire, Harmful if swallowed, Causes severe skin burns and eye damage, Causes serious eye damage, May cause respiratory irritation.

Signal word: Danger

Pictogram: Flame, Corrosion, Exclamation.

Precautionary statements

Prevention

Keep away from heat/sparks/open flames and hot surfaces.

No smoking. Wear protective gloves such as neoprene.

Keep/Store away from clothing and other combustible materials. Keep in original container. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breath dusts or mists. Wear eye protection such as safety glasses with side shields. Use only outdoors or in a well-ventilated area.

Response

IF SWALLOWED: Call a POISON CENTER if you feel unwell. Rinse mouth.

IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing before reuse. Rinse skin with water. Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER for medical advice.

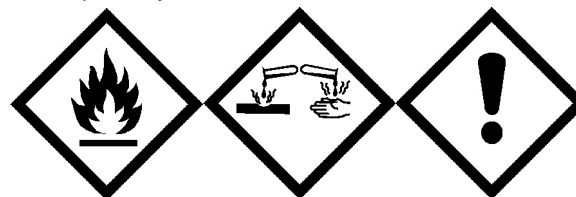
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER for medical advice.

In case of fire: Use B or C fire extinguisher

Storage

Store in a well-ventilated place. Keep cool. Store locked up. Store at temperatures not exceeding 50 degrees C. / 122 degrees F. Protect from sunlight. Store away from other materials.

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	51%
Hydrogen Peroxide	7722-84-1	27%
Acetic Acid	64-19-7	6%
Peracetic Acid	79-21-0	6%

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. Continue rinsing, lifting upper and lower eyelids occasionally. Immediately call a POISON CENTER for medical advice.

Skin Contact: Take off immediately all contaminated clothing before reuse. Rinse skin with water. 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: Use media suitable for the material that is burning.

Special Fire Fighting Procedures: Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side.

Unusual Fire And Explosion Hazards: May release small amounts of oxygen if heated in a fire.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Use personal protective equipment appropriate for the size of the spill. Clean up small (less than a gallon) spills with a rag or mop. Rags, mops, towels should be rinsed thoroughly with water after use. Wash the area with an alkaline detergent or a 50% solution of baking soda. Spills of 1 gallon or less can be washed to a sanitary sewer with plenty of water. Larger spills should be diked to prevent spreading and then collected into clean pails or drums. It has been reported that strong hydrogen peroxide spilled on combustible materials can ignite them when the peroxide dries. With less than 30% hydrogen peroxide this is unlikely except for large spills. This spontaneous ignition could not be created in small tests with this product.

Section 7 - Handling and Storage

Do not store near reducing agents, fuels or other non-compatible materials. Store in a cool, dry, well ventilated area. Do not store in direct sunlight, or near sources of ignition or heat. Containers must be vented. Expected shelf-life one year. Storage temperature range: 41-86°F; protect from freezing. Higher temperatures will accelerate decomposition resulting in a loss of disinfecting strength. Do not remove dilution plug from gallon jug. Always dilute with closed chemical dilution equipment. Diluted solution life is 24 hours or until visibly dirty.

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.

Section 8 - Exposure Controls / Personal Protection

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Hydrogen Peroxide	7722-84-1	27%	1 ppm(1,2,3,4)	2 ppm(4)	-
Acetic Acid	64-19-7	6%	10 ppm(1,2,3,4)	15 ppm(2,3,4)	-

(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: Normal room ventilation is sufficient with correctly diluted product.

Respiratory Protection: None when diluted and used as directed. If the diluted product is sprayed and is causing irritation the need for an approved respirator should be evaluated. If any of the above exposure limits are exceeded, wear a NIOSH approved respirator with an acid cartridge.

Protective Gloves: When changing concentrate bottle in dilution station wear neoprene, Nitrile or latex gloves. With diluted solution gloves are recommended. Disposable latex or Nitrile gloves are good.

Eye Protection: When changing concentrate bottle in dilution station wear safety glasses with side shields. Evaluate method of use with correctly diluted product to determine if safety glasses with side shields are needed.

Other Protective Equipment: If the bottle metering insert is removed, thus creating a risk of eye exposure with concentrate, an eye wash station should be located within 10 seconds travel time.

Section 9 - Physical and Chemical Properties

Appearance and Odor: A colorless, clear liquid with a strong vinegar-like 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): 1.1
Freezing Point: Not Available	Solubility(ies): Water: 100%
Boiling Point, Initial: 212° F.	Partition coefficient: Not Available
Boiling Range: Not Available	Auto-ignition Temperature: Not Available
Flash Point: None	Decomposition Temperature: Not Available
Evaporation Rate: ~1 (Water = 1)	Viscosity: Same as water.-
Flammability: (solid, gas): Not Applicable	Volatiles Percent: Not available
Upper Explosive Limit: None	V.O.C.: 0% - 0 grams/liter
Lower Explosive Limit: None	

Section 10 - Stability and Reactivity

Incompatibility: Alkalis, bleach, reducing agents and organics. Concentrate only: heavy metals such as iron, copper, chromium, aluminum and cobalt.

Hazardous Decomposition Products: Oxygen that supports combustion and acetic acid.

Self-Accelerating Decomposition Temperature (SADT): >55°C

Section 11 - Toxicological Information

Primary Routes of Entry: Skin contact; Skin absorption; Inhalation; Ingestion

Potential Health Effects:

Eyes - Concentrate causes corrosion and possible damage with prolonged contact. Dilutions are severely irritating.

Skin - Concentrate causes severe irritation and redness; may cause damage with prolonged contact. Brief contact has little or no effect when rinsed off promptly. Dilutions may cause irritation and redness.

Swallowing - can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Breathing - excessive inhalation of vapors or inhalation of sprayer mist may cause irritation of the nose, throat and respiratory passages. This will usually subside when exposure ceases.

Acute Oral LD₅₀: 1,922mg/kg

Section 12 - Ecological Information

Do not dispose of in the environment.

EC₅₀ (Daphnia magna): 0.73mg/L (48h)

EC₅₀ (Selenastrum, green algae): 0.18mg/L (120h)

LC₅₀ (Rainbow trout): 1.6mg/L (96h)

LC₅₀ (Bluegill sunfish): 1.1mg/L (96h)

Environmental Fate: No data available for this product. Peracetic acid is completely miscible with water. Aqueous solutions of peracetic acid hydrolyze to acetic acid and hydrogen peroxide.

Section 13 - Disposal Considerations

Waste Disposal Method: Dispose of up to 1 gallons of concentrate in the sanitary sewer with a large amount of water. Do not allow in storm sewers. Follow all disposal regulations for your location.

Section 14 - Transport Information

D.O.T. Hazard Class: UN 3109, Organic Peroxide Type F, Liquid, (Peroxyacetic acid, type F, stabilized), 5.2, III
Subsidiary Hazard: 8 (Corrosive)

Section 15 - Regulatory Information

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

Reportable Quantity: 5% Peracetic Acid (Unlisted), RQ=300 lbs., Ignitability (DOO1), Corrosivity (DOO2), Acetic Acid (Listed), RQ=5,000 lbs., Category D, Sulfuric Acid (Listed), RQ=1,000lbs., Category C

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.

<u>Chemical Name</u>	<u>C.A.S. No.</u>	<u>% (w/w)</u>	<u>Lbs./Gallon</u>
Peracetic acid (de minimis 1%)	79-21-0	5-6%	0.55

Section 16 - Other Information

NFPA®: H:3 F:2 I:2 **HMIS® III:** H:3 F:2 P:2 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 8/14/15. Updated Section 2 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.