

DENDRITICS LLC MOLD AND MILDEW STAIN REMOVER

SAFETY DATA SHEET

Effective Date: 05/01/2021

Email: info@dendriticsllc.com

Emergency # Infotrac (800) 535-5053

SECTION I: IDENTIFICATION

PRODUCT NAME: Mold and Mildew Stain Remover
CHEMICAL NAME & SYNONYMS:
PROCESSORS NAME: Dendritics LLC, 540 N. Commercial Street, 3rd Floor, Manchester, NH 03101
Phone: (603) 966-3076 • www.dendriticsllc.com
CAS #: MIXTURE Recommended Use: Household, Industrial & Institutional cleaning product
Restrictions on Use: No Data Available

SECTION II: HAZARD IDENTIFICATION


Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2, ready to use Category 1
Eye damage/eye irritation	Category 1, ready to use category 1

GHS label elements including precautionary statements

Emergency Overview

					
Signal word		Warning			
Hazard statements					
Causes eye and skin irritation					
Causes eye irritation					
Appearance	Clear, green	Physical State	Liquid	Odor	Faint Solvent

Precautionary statements – Prevention

Wash hands and any exposed skin thoroughly after handling.

Wear eye protection/face protection such as safety glasses.

Precautionary statements – Response

Eyes

IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists. Get medical advice/attention.

Skin

If skin irritation occurs, get medical advice/attention.

Precautionary statement – Storage

None.

Precautionary statement – Disposal

Incompatible materials, chlorine bleach and caustic soda.

Hazards not otherwise classified (HNOC)

The following medical conditions may be aggravated by exposure to high concentrations of vapor or mist: heart conditions or chronic respiratory problems such as asthma, emphysema or obstructive lung disease.

Unknown toxicity

None known.

Other information/

None Known.

Interaction with other chemicals

Reacts with other household chemicals such as products containing hydrochloric acid and other acids, zinc and aluminium.

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical Name	CAS No.	Wt %	GHS-US classification
Water	7732-18-5	75 - 95	
Carbamide hydrochloride (safe acid replacement)	na	1.0 – 5.0	
Surfactant	Cas withheld	1.0 – 15.0	

SECTION IV: FIRST AID MEASURES

First Aid Measures

General Advice

Show this safety data sheet to the doctor in attendance.

Inhalation

If symptoms of exposure develop, remove to fresh air. Seek medical attention if symptoms persist.

Skin Contact

Remove contaminated clothing. Wash all affected and exposed areas with soap and water. If irritation or redness persists, seek medical attention.

Eye Contact	Expose eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. Do not rub affected area. If irritation, pain, swelling or tearing persistent, seek medical attention.
Ingestion	If swallowed, get medical attention by call in Poison Control Center or hospital immediately. Have person sip a glassful of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor.
Protection of first-aiders	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Most important Symptoms Stinging and irritation of eyes.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

SECTION V: FIREFIGHTING MEASURES

Flash Point and Method: >200°F (Seta)

GENERAL HAZARD

This product is not combustible. If involved in a fire, oxides of carbon and nitrogen and hydrogen chloride may evolve. Action on some reactive metals such as aluminum will evolve potentially explosive hydrogen gas.

EXTINGUISHING MEDIA

Use media suitable for the material that is burning.

SPECIAL FIRE FIGHTING INSTRUCTIONS

Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side.

FIRE FIGHTING EQUIPMENT

As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear.

SECTION VI: ACCIDENTAL RELEASE MEASURES
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Personal Precautions, Protective Equipment and Emergency Procedure

Personal Precautions Remove all sources of ignition. Avoid contact with eyes, skin and clothing. Use personal protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8

Environmental Precautions

Environmental Precautions See Section 12 for ecological information

Methods and Material for Containment and Cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material. Dike large spills.

SECTION VII: HANDLING & STORAGE

Precautions for Safe Handling

Handling KEEP OUT OF REACH OF CHILDREN AND PETS. Use only as directed. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

Keep away from heat and sources of ignition.

Conditions for Safe Storage, Including any Incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Do not freeze.

Incompatible Products Stable under normal conditions.

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value.

OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits

NIOSH IDLH: National Institute of Occupational Safety and Health - Immediately Dangerous to Life or Health.

Appropriate Engineering Controls

Engineering Measures Showers, eyewash stations, ventilation systems

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: If splashes are likely to occur: Wear safety glasses with side shields (or goggles).
None required for consumer use.

Skin and Body Protection Wear protective gloves and protective clothing.

Respiratory Protection If exposure limits are exceeded or irritation is experienced. NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measure Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Use only with adequate ventilation.

SECTION IX: PHYSICAL & CHEMICAL PROPERTIES

Physical and Chemical Properties

State	Liquid solution
Viscosity	Low viscosity
Color	blue
Odor	Mild
Melting Point °C	N/D
Boiling Point °C	100°C
Weight per Gallon	10.0 l/gal
Specific Gravity @20°C	1.20±0.04
Water Solubility	Soluble
pH	<3.5 to 4.0

SECTION X: STABILITY & REACTIVITY

REACTIVITY

Stable

INCOMPATIBILITIES

Strong caustic materials, aluminum.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of Carbon and hydrogen chloride on combustion.

CONDITIONS TO AVOID

Avoid contact with heat.

SECTION XI: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product information

Inhalation	Exposure to vapor or mist may irritate respiratory tract.
Eye Contact	May cause eye irritation.
Ingestion	Ingestion may cause irritation to mucous membranes and gastrointestinal tract, nausea, vomiting and diarrhea.

Component Information

Chemical Name	LD₅₀ Oral	LD₅₀ Dermal	LC₅₀ Inhalation
Carbamide hydrochloride (safe acid replacement)	na	na	na
		-	-

Information on toxicological effects

Symptoms May cause redness and tearing of the eyes.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
	-	-	-	-

IARC (International Agency for Research on Cancer)

Group 3 – Not Classifiable as to Carcinogenicity in Humans)

Reproductive Toxicity

STOT – single exposure No information available.

STOT – repeated exposure No information available.

Chronic Toxicity No information available.

Target Organ Effects No information available.

Aspiration hazard No information available.

Numerical measures of toxicity – Product Information

The following values are calculated based on chapter 3.1 of the GHS document Not applicable

SECTION XII: ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with no long lasting effects.

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other adverse effects No information available.

Environmental/Biodegradability- Carbimide Hydrochloride is the salt of Hydrogen Chloride and Carbimide (Urea). Hydrogen Chloride: Hydrogen chloride is readily dissociated in water into hydrated protons and chloride ion. The physico-chemical properties indicate that hydrogen chloride released into the environment is distributed into the air and water. Urea (Carbimide): Urea is "ultimately biodegradable". Urea is ultimately biodegradable in inherent biodegradability test (OECD 302 B). In semi-continuous activated sludge (SCAS) urea is biodegraded on the average of 93-98% in 24-hour cycle. The main mode of degradation is enzymatic mineralization. In soil and water urea is expected to biodegrade fairly rapidly to ammonia and bicarbonate.

SECTION XIII: DISPOSAL CONSIDERATIONS

Disposal methods

Dispose of in accordance with all applicable federal, state, and local regulations.

Contaminated packaging

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state and local regulations.

SECTION XIV: TRANSPORTATION INFORMATION
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Land transport

US DOT & Canada TDG surface transportation

UN-Number Not regulated

Hazard Class

Packaging Group

Description

Sea Transport

IMDG / IMO

UN-Number Not regulated

Packaging group

Proper shipping names

Class

EMs No.

Marine Pollutant

Air transport

ICAO / IATA

UN-Number Not regulated

Proper shipping name

Hazard Class

Packaging Group

SECTION XV: REGULATORY INFORMATION

Chemical Inventories

TSCA All components of this product are either on the US TSCA Inventory or otherwise exempt from listing.

DSL/NDSL All components are on the DSO or NDSL.

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substance which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ

EPA Statement

Not applicable.

US State Regulations

California Proposition 65

This product does not contain any chemicals to State of California to cause cancer, birth defects or any other reproductive harm.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois

International Regulations

Canada

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

WHMIS Hazard Class Class D2B

SECTION XVI: OTHER INFORMATION

NFPA

Health Hazard 1 Flammability 0 Instability 0 Physical & Chemical Hazard 2

HMIS

Health Hazard 1 Flammability 0 Physical Hazards 2 Personal Protection B

Revision Date New

Revision Note New

General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge. Information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet