

Safety Data Sheet


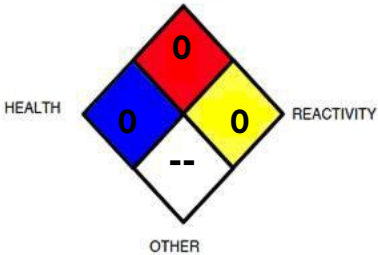
Section 1: Product & Company Identification

Product Name:	Nuclease Away
Product #:	N-1470
Synonyms:	RNase Away
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS #	EC #	% Composition
Alkali Hydroxide	Proprietary		

Section 3: Hazards Identification

Symbols	
HMIS Classification	<p>FLAMMABILITY</p>  <p>HEALTH REACTIVITY</p> <p>OTHER</p>

NFPA Classification	 <p style="text-align: center;">FLAMMABILITY HEALTH REACTIVITY OTHER</p>
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Section 4: First Aid Measures

General Overview:	Causes eye and skin burns. Permanent damage may occur. Inhalation of mists may cause severe upper respiratory irritation. High concentrations may cause lung damage. Swallowing may cause burns to the mouth, throat, and stomach. Harmful or fatal if swallowed.
Inhalation:	Remove victim to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get immediate medical attention.
Skin:	Immediately flush with water for at least 20 minutes, then wash with soap and water until no trace of the chemical remains. Remove contaminated clothing immediately and launder before reuse. Get immediate medical attention.
Eyes:	Immediately flush eyes with water for at least 30 minutes while lifting the upper and lower lids. Get immediate medical attention.
Ingestion:	Get immediate medical attention. If conscious, rinse mouth with water and give 1 glass of water to dilute. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	This material is not combustible.
Extinguishing Media:	Use methods appropriate for surrounding environment.
Hazardous thermal (de)composition products:	Carbon oxides, sodium oxides
Special Fire Fighting Procedures:	Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposure containers with water.
Flash Point:	No data available




Section 6: Accidental Release Measures


Personal Precautions:	Wear appropriate protective clothing and equipment to prevent eye and skin contact.
Environmental Precautions:	Avoid release to the environment. Report spill as required by local and federal regulations.
Methods for Clean-up:	Collect spilled material with inert material and place into a closable container for disposal. Wash spill area with water.

SECTION 7: Handling & Storage

Storage:	Store in a cool, well-ventilated area away from oxidizing agents. Protect from physical damage. Recommended storage temperature: Room temperature
Handling:	Prevent contact with eyes, skin, and clothing. Do not breathe spray or mists. Use with adequate ventilation. Wash thoroughly after handling.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>None needed under normal use conditions. If significant quantities of mist are generated, an approved dust/mist respirator is recommended. Equipment selection depends on containment type and concentration, select in accordance with local regulations and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.</p>	
Skin and Body:		 <p>Nitrile, neoprene, or other impervious gloves are recommended to prevent skin contact. Impervious apron or lab coat.</p>
Eyes:		

	 <p>Chemical safety goggles and face shield required.</p>
Ventilation/Engineering Measures:	For operations where exposures limits are exceeded increased mechanical ventilation such as local exhaust may be required.
Hygiene:	Handle in accordance with good industrial hygiene and safety practice.
Exposure Guidelines:	Alkali Hydroxide: 2 mg/m ³ Ceiling ACGIH TLV 2 mg/m ³ TWA OSHA PEL

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Clear liquid, slight fragrant odor
Formula	N/A
Molecular Wt.	N/A
Melting Pt.	~32°F (~0°C)
Boiling Pt.	~212°F (~100°C)
Density:	1.0
Vapor Pressure:	N/A
Evaporation Rate:	~1
Vapor Density:	N/A
Solubility:	N/A
Flash Point:	N/A
Autoignition Temp:	N/A

SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Hazardous decomposition products:	Carbon oxides, sodium oxides
Materials to Avoid:	Avoid acids, contact with metals, and water reactive materials.
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	N/A
ACUTE Toxicity:	Acute toxicity estimate: Oral = 14,285 mg/kg Dermal = 142,857 mg/kg Alkali Hydroxide: Oral LD50 = 140 mg/kg (Rat) Dermal LD50 = 1,350 mg/kg (Rabbit)
CHRONIC Toxicity:	Prolonged or repeated exposure to dilute solutions may cause dermatitis. Sensitization: None of the components are sensitizing to animals or humans.
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA. EPA: No classification on carcinogenic data is available from EPA

SECTION 12: Ecological Information

Ecotoxicity:	This product is not expected to be harmful to the aquatic environment. Alkali Hydroxide: EC50 = 40.4 mg/L (Ceriodaphnia sp.) 48 hr
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available. Not expected to be bioaccumulative.
Other adverse effects:	None known.
Corrosivity Characteristic:	Causes severe irritation and burns. Skin damage us severe when tested in a 24 hr skin irritation study with rabbits.
General Notes:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Dispose of in accordance with all federal, state, and local regulations.
Contaminated Packaging:	Dispose of in accordance with all federal, state, and local regulations.

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated
DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	Warning! Causes severe skin burns and eye damage.
Risk Phrases:	Do not breathe mists or spray. Wash thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection.
Safety Phrases:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. 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 or doctor. Store locked up. Dispose of contents and container in accordance with local and national regulations.
EU Regulations:	N/A
US Regulations:	TSCA: Listed California Proposition 65: No products were found
U.S. Federal Regulations:	SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: Acute Health Hazard SARA 313 toxic chemicals notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found.



	<p>Clean Water Act (CWA) 311: No products were found.</p> <p>Clean Air Act (CAA) 112 accidental release prevention: No products were found.</p> <p>Clean Air Act (CAA) 112 regulated flammable substances: No products were found.</p> <p>Clean Air Act (CAA) 112 regulated toxic substances: No products were found.</p> <p>OSHA: Skin corrosion (Cat. 1), Eye damage (Cat. 1)</p>
WHMIS (Canada):	N/A

SECTION 16: Other Information

LIABILITY STATEMENT: *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*