## SAFETY DATA SHEET

### Section 1 Chemical Product and Company Identification

# HOME SCIENCE TOOLS

665 Carbon Street Billings, MT 59102 800-860-6272 www.homesciencetools.com

# Page E1 of E2

#### CHEMTREC 24 Hour Emergency USA Phone Number (800) 424-9300 1 703-741-5500 (from anywhere in the world).

For laboratory and industrial use only. Not for drug, food or household use.

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Chemical Name				
	CAS #	%	EINECS	
Water	7732-18-5	90.03%	231-791-2	
Sodium hydroxide	1310-73-2	6.42%	215-185-5	
Potassium sodium tartrate	6381-59-5	2.00%	206-156-8	
Cupric sulfate, pentahydrate	7758-99-8	1.18%	231-847-6	
Potassium iodide	7681-11-0	0.35%	231-659-4	
Ethylenediaminetetraacetic acid	6381-92-6	0.02%	None assigned.	

#### Section 4 First Aid Measures

**INGESTION:** MAY BE FATAL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SEVERE DAMAGE. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SEVERE BURNS. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

#### Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Dry chemical, water spray, alcohol foam. Can react with carbon dioxide to form sodium carbonate.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume. Contact with metals can generate hydrogen gas.

#### Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

#### Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	Sodium hydroxide	STEL: C 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	STEL: C 2 mg/m <sup>3</sup>

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator

Section 9							
Section 9	Physical & Chemical Prop	erties					
	Not applicable. able. point: ~ 0°C (~ 32°F) [water] 00°C (212°F) [water]	Flammability (s Explosion limit Vapor pressure Vapor density Relative densit	te (Water = 1): < 1 solid/gas): Not applica ts: Lower / Upper: No e (mm Hg): 14 [water] (Air = 1): 0.7 [water] ty (Specific gravity): 1. Complete in water.	t applicable	Auto-igniti Decompos Viscosity: Molecular	on temperature	е
Section 10	Stability & Reactivity						
Incompatible mat	y: Stable oid: Can react with carbon dioxide erials: Metals, acids, organic con nposition products: Sodium oxide	e to form sodium o npounds, organic	nitro compounds.		lrogen gas.		
Section 11	Toxicological Information						
Respiratory or sk Germ cell mutage Carcinogenity: D NTP: No compone IARC: No compone OSHA: No compone Reproductive tox STOT-single expo	age/irritation: Eyes - rabbit - Sev in sensitization: Data not availal encity: Data not available bata not available ent of this product present at levels ent of this product present at level nent of this product present at level icity: Data not available osure: Data not available	greater than or e s greater than or	equal to 0.1% is identifie	d as a known or ar ed as probable, po	sible or confi	med human car	0,
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dent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook. Form 06/2015