

Science Stuff, Inc.
1104 Newport Avenue
Austin, TX 78753

Material Safety Data Sheet

Phone (512) 837-6020
Chemtrec 800-424-9300
24 Hour Emergency Assistance

Section 1 Identification

Product Number:	C1312	Health:	3
Product Name:	Biuret Solution	Flammability:	0
Trade/Chemical Synonyms:		Reactivity:	0
Formula:	N/A	Hazard Rating:	Least Slight Moderate High Extreme 0 1 2 3 4
RTECS:	None	NA = Not Applicable NE = Not Established	
C.A.S.	See Below		

Section 2 Component Mixture

Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
☐	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	v/v	None Established
☐	Cupric Sulfate	CAS# 7758-99-8	0.15%	W/V	OSHA TWA 1 mg (Cu)/m ³
☐	Potassium Sodium Tartrate	CAS# 6381-59-5	0.6%	w/v	None Established
☒	Sodium Hydroxide	CAS# 1310-73-2	3%	W/V	OSHA PEL 2 mg/m ³ ACGIH 2mg/m ³

Section 3 Hazard Identification (Also see section 11)

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Section 4 First Aid Measures

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures

Fire Extinguisher: Any means suitable for extinguishing surrounding fire Type:
Fire/Explosion Hazards: None Known.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Section 6 Accidental Release Measures

Absorb spill with inert material, then place in a chemical waste container. Neutralize with a weak acid.

Section 7 Handling and Storage

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

Section 8 Exposure Controls & Personal Protection

Respiratory Protection: None required

Mechanical: ☐ Hand Protection: ☐ Wear appropriate gloves to prevent skin exposure
Ventilation: Local Exhaust: ☒ Eye Protection: ☐ Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

Section 9 Physical and Chemical Properties

Melting Point:	~-0° C	Specific Gravity:	~1.0
Bolling Point:	~100° C	Percent Volatile by Volume:	>99%
Vapor Pressure:	not available	Evaporation Rate:	Information not available
Vapor Density:	not available	Evaporation Standard:	
Solubility in Water:	soluble	Auto ignition Temperature:	Not applicable
Appearance and Odor:	Clear blue odorless solution	Lower Flamm. Limit in Air:	Not applicable
Flash Point:	not flammable	Upper Flamm. Limit in Air:	Not applicable

Section 10 Stability and Reactivity Information

Stability: Stable Conditions to Avoid: Acids, air
Materials to Avoid: Acids, flammable liquids, organic halogens, metals, nitrocompounds
Hazardous Decomposition Products: Not known to occur
Hazardous Polymerization: Will Not Occur
Condition to Avoid: None known

Section 11 Additional Information

Conditions aggravated/Target organs: Persons with preexisting skin, eye, or respiratory disorders may be susceptible. Corrosive! Acute: Irritation and burns to skin, eyes, lungs, mucous membranes and GI tract. Pneumonitis. Chronic: Dermatitis and other skin damage. Scarring.

DOT Classification: Corrosive Liquid n.o.s. (Sodium Hydroxide), 8, UN1760, PG II

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No: 0 Date Entered: 1/1/2003 Approved by: WPF

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