

Safety Data Sheet

Control Number: 907-039

Automation Tween 20, 20X; 20% Tween 20, TWA20, BRR20A; TWN20, BRR20B

January 22, 2018

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1. Product and Company Identification

Product(s)	Automation Tween 20, 20x (TWA20, BRR20A) 20% Tween 20 (TWN20, BRR20B)
Related Product Kit	Not applicable
Intended Use & Restrictions	Immunohistochemistry reagent intended for use by professional laboratory personnel that have been properly trained in its use.
Company Information	Biocare Medical, LLC 60 Berry Drive Pacheco, CA 94553 United States Tel: +1 800-799-9499 (7AM-5PM, PST, Mon-Fri) Fax: +1 925-603-8080 Web: www.biocare.net
24-Hour Emergency Contact	CHEMTREC +1 800-424-9300 (USA and Canada only) +1 703-527-3887 (all other countries)

2. Hazards Identification

Emergency Overview	Clear, colorless to yellow liquid. Mild skin irritation may occur with prolonged exposure. Product has little to no hazards for Emergency Responders if spilled and has no unusual hazard if in a fire.
OSHA Hazards	
GHS Classification	No known OSHA Hazards
Signal words, Symbol, Hazard & Precautionary Statements	No applicable symbol Warning <u>Hazard Statement</u> H316 Causes mild skin irritation <u>Precautionary Statement(s)</u> None

Potential Health Effects

Skin Contact	May be harmful if exposed to skin. May cause skin irritation, itching, redness or inflammation.
Eye Contact	May be harmful if exposed to eyes. May cause eye irritation, watering eyes, stinging or burning sensation.
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation, headache, dizziness, nausea or coughing.
Ingestion	May be harmful if swallowed. May cause irritation of gastrointestinal tract, nausea, or vomiting. See Section 11: Toxicological Information for additional information.

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Environmental Effects May be toxic to aquatic life.
See Section 12: Ecological Information for additional information.

3. Composition / Information on Ingredients

Chemical Name	Synonyms	% Composition	CAS Number
Tween 20	Polyoxyethylene-sorbitan monolaurate	1-20%	9005-64-5
Proclin 300 (Solution of 5-Chloro-2-methyl-4-isothiazolin-3-one [2.7%] and 2-Methyl-2H - isothiazol-3-one [0.9%])	CIT, MIT	0.1-1%	26172-55-4 2682-20-4
Water	N/A	>75%	7732-18-5

Note: It has been determined that the remaining ingredients of this product are not classified as hazardous according to the Federal OSHA Hazardous Communication Standard (29 CFR 1910.1200) or the Globally Harmonized System of Classification and Labeling of Chemicals.

4. First Aid Measures

General Advice Avoid further exposure to product. Consult a physician.

In case of skin contact Wash exposed area with soap and plenty of water. Remove any contaminated clothing. Seek medical attention.

In case of eye contact Wash eyes with plenty of water for at least 15 minutes. Have victim remove contact lenses. Be sure to wash under eyelids. Seek medical attention.

If inhaled Remove victim to well-ventilated area. If victim is not breathing, give artificial respiration. Seek medical attention.

If swallowed If victim is conscious, rinse mouth with water. Do not give anything to an unconscious victim. Seek medical attention.

5. Fire Fighting Measures

Suitable Extinguishing Media Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Use extinguisher media appropriate for surrounding fire.

Special Protective Equipment for Firefighters Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

Special Exposure Hazards Avoid inhalation of fumes, which may be toxic or irritating.

6. Accidental Release Measures

Personal Precautions Use of personal protective equipment is recommended as described in Section 8. Isolate hazard area and deny entry to unprotected personnel.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways..

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Methods for containment and clean up Small spills may be contained and cleaned-up with paper towels or absorbent pads. Absorb large spills with sand or vermiculite and place in a closed container for waste disposal. Avoid physical contact during removal.

7. Handling and Storage

Precautions for Safe Handling

Avoid contact with eyes, skin and clothing. Do not ingest. Wash hands thoroughly after use.

Conditions for Safe Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure Controls / Personal Protection

Permissible Exposure Limits

Contains no substances with occupational exposure limits.

Engineering Controls

No special controls needed.

Personal Protective Equipment

Eye Protection

Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.

Skin Protection

Use chemically resistant gloves and a lab coat with sleeves.

Respiratory Protection

Exceeding exposure limits is unlikely during normal usage. However, if irritating vapors are produced, respiratory protection is recommended. Attempt to reduce exposure levels to an acceptable range.

General Hygiene Measures

Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling and before eating or drinking.

9. Physical and Chemical Properties

Appearance

Clear solution. May be colorless to yellow.

Odor

None

pH (as supplied)

Not determined

Melting point

Not determined

Boiling point

Not determined

Flash point

Not determined

Flammability

Not determined

Lower explosion limit

Not determined

Upper explosion limit

Not determined

Vapor pressure

Not determined

Vapor density

Not determined

Specific gravity

Not determined

Solubility (in water)

Soluble

Partition coefficient (n-octanol/water)

Not determined

Auto-ignition temperature

Not determined

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**Decomposition
Temperature** Not determined

10. Stability and Reactivity

Chemical Stability Stable under recommended storage conditions (see Section 7).
Conditions to avoid None identified.
Materials to avoid Strong oxidizing agents, amines, mercaptans, reducing agents.
Hazardous decomposition products Hazardous decomposition products formed under fire conditions: carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas.
Possibility of hazardous reactions No data available.

11. Toxicological Information

Acute dose effects Tween 20: Oral LD50 (rat) 40,554 mg/kg
Repeat dose effects No data available
Skin irritation Tween 20: Skin (Human) mild skin irritation, 3 days
Skin and respiratory sensitization No data available
Eye irritation No data available
Carcinogenicity No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, potential, known, anticipated, or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.
Mutagenicity No data available
Reproductive effects No data available
Developmental effects No data available
Target organ effects No data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated at product concentrations.

12. Ecological Information

Ecotoxicity No data available
Persistence and degradability No data available
Bioaccumulation/accumulation No data available
Mobility in environmental media No data available
Other hazardous effects May be harmful to the environment, particularly aquatic organisms.

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13. Disposal Considerations

Product Disposal should be in accordance with applicable national, state, and local laws and regulations. Local regulations may be more stringent than national or state requirements. Verify local and state regulations before discharging into public sewers or landfills. Do not dump into any body of water. Contact a licensed professional waste disposal service for appropriate methods of disposal.

Contaminated packaging Dispose of as unused product.

14. Transportation Information

Proper shipping name Not applicable

Technical name Not applicable

Hazard class Not applicable

Identification number Not applicable

Packing group Not applicable

DOT (US) Not regulated

IMDG Not regulated

IATA Not regulated

TDG Not regulated

15. Regulatory Information

Inventory Status

United States (TSCA) All ingredients are on the inventory or exempt from listing.

Canada (DSL / NDSL) All ingredients are on the inventory or exempt from listing.

SARA 302 Components No chemicals in this product are subject to reporting requirements.

SARA 313 Components No chemicals in this product are subject to reporting requirements.

SARA 311/312 Hazards Proclin 300: Acute health hazard

California Prop. 65 components This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Sources and Suitability The above information was obtained from sources available at the time of revision and believed to be accurate and reliable. The information included is not intended to be all inclusive and should only be used as a guide. Biocare shall not be held liable for any damage resulting from use, handling, or contact with the above product.

Revision Date January 22, 2018
(All SDS's before this date should be discarded.)

Replaces Revision June 16, 2015. This SDS has been updated to reflect current hazard information and product formulations.

Note: Before using this product, please visit the Biocare Medical website at <http://biocare.net> for the current version of this SDS.