

SAFETY DATA SHEET

1: IDENTIFICATION

Catalog Number/Product Name: BV400, BV432, BV072, BVSM432 / SHRINGS

Other Common Names: Shrink Seals

Recommended Use/Restrictions: For in-vitro diagnostic use only by trained professionals.

Manufacturer/Supplier:

Walter H. Jelly
2564 Branch Street, Suite B6
Middleton, WI 53562

Phone Number: 608-831-1405
Emergency Phone Number: None available.

2: HAZARD(S) IDENTIFICATION

(a) Classification of the chemical: This product is NOT classified as a hazard (GHS). Non-Regulated. The chlorocresol concentration in this mixture is below the 1 % threshold, and thus the presence of this substance does not contribute to the classification of the mixture as a whole.

(b) Signal word: None required

(c) Hazard statement(s): None required

(d) Pictogram(s): None required

(e) Precautionary statement(s): None required

(f) Describe any hazards not otherwise classified that have been identified during the classification process: None

3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	Common Name/Synonym	CAS Number	Concentration (%)
Cellulose acetate	Shrings	9004-35-7	NA
Polyethylene glycol 200	PEG	5322-68-3	19 – 21%
Chlorocresol	None	59-50-7	0.08 – 0.12%
Water, distilled	Water	7732-18-5	79% (approx.)

The concentration of the liquid in which the Cellulose Acetate bands are immersed is so small as to pose NO HAZARD.

4: FIRST-AID MEASURES

(a) Routes of Exposure:

Eyes: If splashed into eyes, rinse with water for 10 – 15 minutes. Gently remove contact lenses if present and continue rinsing. May cause eye irritation. If irritation persists, seek medical advice

Ingestion: Rinse mouth. Seek medical advice.

Inhalation: Remove victim to fresh air and seek medical advice if necessary.

Skin: If on skin, wash with soap and water. For sensitive skin, use a barrier cream before handling.

(b) Important symptoms/effects(acute and delayed): None

(c) Indication of immediate medical attention and special treatment needed: None

5: FIRE-FIGHTING MEASURES

(a) Suitable (and unsuitable) extinguishing media: Water spray, dry chemical powder, CO2 or appropriate foam extinguisher.

(b) Specific hazards arising from the chemical: No data available. Non-flammable, non-combustible.

(c) Special protective equipment and precautions for fire-fighters: Self-contained breathing apparatus & PPE.

6: ACCIDENTAL RELEASE MEASURES

(a) Personal precautions, protective equipment, and emergency procedures: Avoid contact with skin/eyes. Wash hands thoroughly after handling. Avoid contact with eyes and skin.

(b) Methods and materials for containment and cleaning up: Liquid may be absorbed with sand, soda ash or soaked into paper towels. Discard as chemical waste according to local, state, regional and federal regulations.

7: HANDLING AND STORAGE

(a) Precautions for safe handling: Avoid contact with eyes and skin. Wash hands thoroughly after handling.

(b) Conditions for safe storage: Store according to label instructions in the sealed container provided a cool (15 – 25°C), dry, well ventilated place and out of direct sunlight.

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

(a) OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available. None

(b) Appropriate engineering controls: None

(c) Individual protection measures, such as personal protective equipment:

Eye Contact: Safety glasses

Ingestion: Do not eat, drink or smoke while using this product. **Do not eat or drink this product.**

Inhalation: Ensure adequate ventilation.

Skin Contact: Wear safety glasses gloves and lab coat. If skin sensitivity is noted, use a barrier cream on hands.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Physical State:	Solid cellulose acetate bands Liquid storage component
Color:	Grey soft bands Liquid is clear with yellow tint
Odor:	Characteristic
Odor Threshold:	Not determined
pH:	Not determined
Melting Point/Freezing Point:	Not determined
Boiling Point/Boiling Range:	100° C / Not determined
Density:	1 kg/dm ³
Flash Point:	Not determined
Evaporation Rate:	Not determined
Flammability:	Not determined
Upper and Lower Flammability/Explosive Limits:	Not determined
Vapor Pressure:	(@ 20° C (68° F) 23 hPa (17 mm Hg)
Vapor Density:	Not determined
Relative Density:	Not determined
Solubility:	Soluble in water and oil
Partition coefficient (n-octanol/water)	Not determined
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	Not determined
10: STABILITY AND REACTIVITY	
(a) Reactivity:	Not determined
(b) Chemical stability:	Stable under normal conditions
(c) Possibility of hazardous reactions:	Not determined
(d) Conditions to avoid (e.g., static discharge, shock, or vibration):	Avoid heat
(e) Incompatible materials:	Not determined
(f) Hazardous decomposition products:	Toxic gases (CO ^x), HCl and other chlorine compounds may be found.
11: TOXICOLOGICAL INFORMATION	
Description of the various toxicological (health) effects and the available data used to identify those effects, including:	
(a) Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	May cause skin sensitization. May irritate eyes.
(b) Symptoms related to the physical, chemical and toxicological characteristics:	May be an irritant to the digestive tract.
(c) Delayed and immediate effects and also chronic effects from short- and long-term exposure:	None
(d) Numerical measures of toxicity (such as acute toxicity estimates):	None
(e) Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:	None
12: ECOLOGICAL INFORMATION	
Toxicity:	None for humans. Slightly hazardous for natural waterways.
Results of PBT & vPvB assessment:	Not data available
Persistence & degradability:	Not data available
Mobility in soil:	Not data available
Bioaccumulative potential:	Not data available
Other adverse effects:	Not data available
13: DISPOSAL CONSIDERATIONS	
Waste Disposal:	Disposal should be in accordance with national, state, regional and local laws and regulations. Do not release directly into natural waterways.
14: TRANSPORT INFORMATION	
DOT Hazard Class:	Not regulated
Shipping Name:	Not regulated
Identification Number:	Not regulated
Packing Group:	Not regulated
15: REGULATORY INFORMATION	
Carcinogenicity:	YES / NO
NTP:	No
IARC:	No
OSHA:	No
California Prop 65:	No
IATA:	No
16: OTHER INFORMATION	
The above information, to the best of our knowledge, is accurate. Key Scientific Products assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.	
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