



Safety Data Sheet

Version: 1
Issue Date: 05/03/17
Supercedes: NA

SECTION 1: IDENTIFICATION

PRODUCT NAME: PS-1052

RECOMMENDED USE: Skin Fixation

MANUFACTURER DETAILS:
MANUFACTURER: Polymer Science, Inc.
ADDRESS: 2577 South Freeman Road
Monticello, IN 47960

TELEPHONE: (574) 583-3751

EMERGENCY PHONE: (574) 583-3751 EXT 2138 (24 HOURS)

SECTION 2: HAZARD IDENTIFICATION

EU Main Hazards: Not classified as hazardous

Route of Entry: Skin contact.
Carcinogenic Status: Not considered a carcinogen under OSHA, ACGIH, NTP, or IARC guidelines
Target Organs: None
Health Effects – Eyes: Avoid eye contact
Health Effects – Skin: No adverse effects are expected.
Health Effects – Ingestion: Not an expected route of entry during normal handling and use; do not ingest
Health Effects – Inhalation: No adverse effects expected during normal handling and use.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS-No.	% by Wt
GLYCERINE, Non-Tallow	56-81-6	5-25
WATER	7732-18-5	30-60
POLY(ACRYLATE) CO-POLYMER	28062-44-4	20-40
POLYMERIC LINER	None	5-15
SILICONE COATED POLYMERIC LINER	None	5-15

* The specific chemical identity and/or exact percentage of this composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

INHALATION: Seek medical attention if symptoms occur.

SKIN CONTACT: If skin irritation develops, discontinue use. Obtain medical treatment as needed

EYE CONTACT:	If eye contact occurs, flush with water for fifteen minutes. Obtain medical attention if soreness or redness persists.
IF SWALLOWED:	No need for first aid is anticipated.
PROTECTION FOR FIRST RESPONDERS:	No special precautions for first responders is anticipated.
NOTES TO PHYSICIAN:	Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media:	Water spray, carbon dioxide, dry chemical or appropriate foam.
Special fire fighting procedures:	Wear self-contained breathing apparatus.
Unusual fire and explosion hazards:	May release hazardous vapors during a fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
No Applicable

ENVIRONMENTAL PRECAUTIONS:
Not Applicable

METHODS AND MATERIAL FOR CONAINMENT AND CLEANING UP:
Not Applicable

SECTION 7: HANDLING AND STORAGE

Keep tightly closed to prevent evaporation of water. Store in cool, dry place. Keep away from heat.

PRECAUTIONS FOR SAFE HANDLING:
This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

CONDUTIONS FOR SAFE CONDITIONS INCLUDING ANY INCOMPATIBILITIES:
No special storage requirements.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. No engineering controls or personal protective equipment (PPE) are necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

GENERAL PHYSICAL FORM:	Solid
ODOR, COLOR, GRADE:	Colorless
ODOR THRESHOLD:	Slight Acrylic Odor
pH:	4.5
MELTING POINT:	Not Applicable
BOILING POINT:	Not Applicable
FLASH POINT:	Not Applicable
EVAPORATION RATE:	Not Applicable
FLAMMABILITY (SOLID, GAS):	Not Classified
FLAMMABILITY LIMITS (LEL):	Not Applicable
FLAMMABILITY LIMITS (UEL):	Not Applicable
VAPOR PRESSURE:	Not Applicable
VAPOR DENSITY:	Not Applicable
DENSITY:	Not Applicable
SPECIFIC GRAVITY:	Not Applicable
SOLUBILITY IN WATER:	Not Applicable
SOLUBILITY – NON-WATER:	Not Applicable
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not Applicable
AUTOIGNITION TEMPERATURE:	Not Applicable
DECOMPOSITION TEMPERATURE:	Not Applicable
VISCOSITY:	Not Applicable
PERCENT VOLATILE:	Not Applicable

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Heat – high temperatures
MATERIALS TO AVOID:	None known.
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide, oxides of nitrogen, and oxides of sulfur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Low order of acute toxicity.
CHRONIC TOXICITY/ CARCINOGENICITY:	Not expected to cause long term adverse health effects.
GENOTOXICITY:	Not expected to cause any mutagenic effects.
REPRODUCTIVE/ DEVELOPMENT TOXICITY:	Not expected to cause adverse reproductive effects.
ADDITIONAL INFORMATION:	

SECTION 12: ECOLOGICAL INFORMATION

This article is expected to present a low environmental risk either because use and disposal are unlikely to result in a significant release of components to the environment or because those components that may be released are expected to have insignificant environmental impact.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with the local/regional/national/international regulations.

SECTION 14: TRANSPORT INFORMATION

International Regulation

UNRTDG Not regulated as a dangerous good.

IATA-DGR Not regulated as a dangerous good.

IMDG-CODE Not regulated as a dangerous good.

TRANSPORT IN BULK ACCORDING TO ANNEX II OR MARPOL 73/78 AND THE IBC CODE
Not applicable for product as supplied.

Domestic Regulation

49 CFR Not regulated as a dangerous good.

SECTION 15: REGULATORY INFORMATION

CHEMICAL INVENTORIES

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory requirements.

SECTION 16: OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High,
4 = Extreme, * = Chronic

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by the short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. Polymer Science, Inc. makes no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade. User is responsible for determining whether the Polymer Science product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a Polymer Science product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Polymer Science product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. Polymer Science provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, Polymer Science makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from Polymer Science.

SWAT-T™

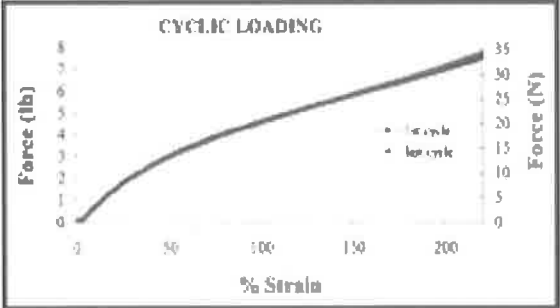
Physical Properties and Compatibility

Tensile Strength	2250psi (pounds per square inch)**
Elongation (max)	761%
Effective elongation for tourniquet application	200%
Specific Gravity	1.212
Minimum recommended operating temp.	-65° F (-53° C)
Maximum recommended operating temp.	180° F (82° C)
**note – this is a laboratory test, caution in interpretation as the SWAT-T is not square.	

Compatibility and General Properties

Electrical Resistivity	Excellent
Dielectric Strength	Excellent
Water Resistance	Excellent
Abrasion Resistance	Excellent
Resiliency	Good
Compression Set Resistance	Good
Alkali	Good
Oxidation	Good
Heat Aging Resistance	Good
Acid (dilute)	Fair to Good
Acid (concentrate)	Fair
Gas Permeability	Fair
Petroleum Products	Not Recommended

- The SWAT-T™ has been tested to 300°F and frozen for months.
- The SWAT-T™ has been brought to 212°F (in boiling water) and allowed to cool to room temperature.
- Extreme temperature tested devices performed well immediately after removal



Cyclic loading occurred at > 5000 cycles of 250% strain. This testing is well beyond what is needed for the SWAT-T™ to function as a tourniquet.



H&H Medical Corporation

328 McLaws Circle, Williamsburg, VA 23185

Phone (800) 326-5708 Fax (804) 642-6109

Web: <http://www.gohandh.com>

Date: August 13, 2019

Safety Data Sheet (SDS) Response

Product Name: H&H Gauze and Bandage Family

Components within the School Health IFAK Trauma Pack and the School Health Advanced Bleeding Control Trauma Kit

To Whom It May Concern,

We have received your request for Safety Data Sheets (SDSs) for the product listed above. Please be advised that the products in question are not required to have SDSs for the following reasons. If a product does not contain hazardous substances, or the product meets the "article" definition as detailed in the current Occupational, Health, and Safety Administration (OSHA) Hazard Communication Regulation (29 CFR 1910.1200), it is not required to have an SDS.

In addition, to be considered a hazardous substance (and therefore requires an SDS), a product must have shown statistically significant evidence, based on at least one study conducted in accordance with established scientific principles, that acute or chronic health effects may occur in employees exposed to the substance, and/or present a significant hazard.

Should you have any questions, please contact the undersigned at 804-642-3663.

Sincerely,

DocuSigned by:
Michelle Morgan
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Michelle Morgan
Quality and Regulatory Manager
H&H Medical Corporation



Safety Data Sheet

Version: 1
Issue Date: 6/7/17
Supersedes: NA

SECTION 1: IDENTIFICATION

PRODUCT NAME: PS-1132

RECOMMENDED USE: General Adhesive Tape

MANUFACTURER DETAILS:
MANUFACTURER: Polymer Science, Inc.
ADDRESS: 2577 South Freeman Road
Monticello, IN 47960

TELEPHONE: (574) 583-3751

EMERGENCY PHONE: (574) 583-3751 EXT 2138 (24 HOURS)

SECTION 2: HAZARD IDENTIFICATION

This product is exempt from hazard classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS-No.	% by Wt
REINFORCED BACKING	Trade Secret*	40-70%
ADHESIVE	Trade Secret*	30-50%

* The specific chemical identity and/or exact percentage of this composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

INHALATION: No need for first aid is anticipated.

SKIN CONTACT: No need for first aid is anticipated.

EYE CONTACT: No need for first aid is anticipated.

IF SWALLOWED: No need for first aid is anticipated.

PROTECTION FOR FIRST RESPONDERS: No special precautions for first responders is anticipated.

NOTES TO PHYSICIAN: Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

In case of fire, use a fire fighting agent suitable for ordinary combustible material such as water or foam.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

No Applicable

ENVIRONMENTAL PRECAUTIONS:

Not Applicable

METHODS AND MATERIAL FOR CONAINMENT AND CLEANING UP:

Not Applicable

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

CONDUTIONS FOR SAFE CONDITIONS INCLUDING ANY INCOMPATIBILITIES:

No special storage requirements.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. No engineering controls or personal protective equipment (PPE) are necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

GENERAL PHYSICAL FORM:	Solid
ODOR, COLOR, GRADE:	Gray
ODOR THRESHOLD:	Slight
pH:	Not Applicable
MELTING POINT:	Not Determined
BOILING POINT:	Not Applicable
FLASH POINT:	Not Applicable
EVAPORATION RATE:	Not Applicable
FLAMMABILITY (SOLID, GAS):	Not Applicable
FLAMMABILITY LIMITS (LEL):	Not Applicable
FLAMMABILITY LIMITS (UEL):	Not Applicable
VAPOR PRESSURE:	Not Applicable
VAPOR DENSITY:	Not Applicable
DENSITY:	Not Applicable
SPECIFIC GRAVITY:	Not Applicable
SOLUBILITY IN WATER:	None
SOLUBILITY – NON-WATER:	Not Applicable
AUTOIGNITION TEMPERATURE:	Not Applicable
DECOMPOSITION TEMPERATURE:	Not Applicable
VISCOSITY:	Not Applicable
PERCENT VOLATILE:	Not Applicable

SECTION 10: STABILITY AND REACTIVITY

This material is considered to be non-reactive under normal use conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

INHALATION: No health effects are expected.

SKIN CONTACT: No health effects are expected.

EYE CONTACT: No health effects are expected.

INGESTION: No health effects are expected.

ADDITIONAL INFORMATION:

This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the products' directions for use may affect the performance of the product and may present potential health and safety hazards.

SECTION 12: ECOLOGICAL INFORMATION

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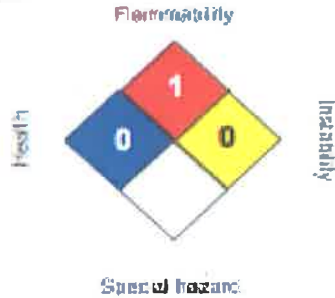
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