

BioFX® BCIP/NBT Purple One Component AP Membrane Substrate

Safety Data Sheet

1.1 Product identifier Product rame :: BioPK* BCIP/NBT Purple One Component AP Membrane Substrate Product form :: Mixture Product code :: BCID 1.1 Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture :: For laboratory use 1.3 Details of the supplier of the safety data sheet SurMotics, inc. 924 Wet; 74th Street Eden Printe, MN 53344 USA Phone: (952) 500-7001 Emergency telephone number Emergency number :: CHEMTEC: 1-800-424-9300 (US and Canada) / 1-703-527-3887 (International shipments) SECTION 2: Hazards identification 2.1 Cassification Sim Sens. 1 H317 2.2 Label elements GH5-US babeling : .: Hazard pictograms (GH5-US) :: !! Signal word (GH5-US) :: !! Precautionary statements (GH5-US) :! !! Signal word (GH5-US) :! !! Paint Andib Edual Prints Painting mixt mapers, spray Precautionary statements (GH5-US) :! !! P	SECTION 1: Identification of the subs	stance/mixture and of the company/undertaking
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3.2. Mixture

Name	Product identifier	%
Trade Secret Ingredient 1	Proprietary Information	0.1 - 1
Trade Secret Ingredient 2	Proprietary Information	0.1 - 1

4.1. Description of first aid measures First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (see the label where possible). First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. First-aid measures after skin contact : IF ON SKIN (or clothing), remove affected clothing and wash all exposed skin with water for at least minutes. Seek medical attention if rash or irritation develops. First-aid measures after eye contact : IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minuminimum). If eye irritation persists: Get medical advice/attention.				
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5.1. Extinguishing media Suitable extinguishing media : Foam. Carbon dioxide. Dry powder. Water spray. Sand. Unsuitable extinguishing media : None known. 5.2. Special hazards arising from the substance or mixture Fire hazard : The product is not flammable. Explosion hazard : Product is not explosive.	No additio	onal information available.		
Suitable extinguishing media:Foam. Carbon dioxide. Dry powder. Water spray. Sand.Unsuitable extinguishing media:None known.5.2.Special hazards arising from the substance or mixtureFire hazard:The product is not flammable.Explosion hazard:Product is not explosive.	SECTION	N 5: Firefighting measures		
Unsuitable extinguishing media : None known. 5.2. Special hazards arising from the substance or mixture Fire hazard : The product is not flammable. Explosion hazard : Product is not explosive.	5.1.	Extinguishing media		
5.2. Special hazards arising from the substance or mixture Fire hazard : The product is not flammable. Explosion hazard : Product is not explosive.	Suitable e	extinguishing media	: Foam. Carbon dioxide. Dry powder. Water spray. Sand.	
Fire hazard: The product is not flammable.Explosion hazard: Product is not explosive.	Unsuitabl	e extinguishing media	: None known.	
Explosion hazard : Product is not explosive.	5.2.	5.2. Special hazards arising from the substance or mixture		
	Fire hazar	rd	: The product is not flammable.	
Reactivity : No dangerous reactions known under normal conditions of use.	Explosion	hazard	: Product is not explosive.	
	Reactivity	1	: No dangerous reactions known under normal conditions of use.	
5.3. Advice for firefighters				
Precautionary measures fire : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	Precautio	nary measures fire	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemic Do not dispose of fire-fighting water in the environment.	Firefightir	ng instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.	
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. We self-contained breathing apparatus and protective suit (see item 8).	Protection	n during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and protective suit (see item 8).	

6.1.	Personal precautions, protective e	Personal precautions, protective equipment and emergency procedures	
General	measures	: Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).	
6.1.1.	For non-emergency personnel		
Protecti	ve equipment	: Wear Protective equipment as described in Section 8.	
Emerge	ncy procedures	: Evacuate unnecessary personnel.	
6.1.2.	For emergency responders		
Protecti	ve equipment	: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.	
6.2.	Environmental precautions		
Prevent	entry to sewers and public waters. No	tify authorities if liquid enters sewers or public waters. Avoid release to the environment.	

6.3. Methods and material for containment and cleaning up For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Sweep up loose material. Place residues in suitable, covered, and labeled container. This material and its container must be disposed of in a safe way, and as per local legislation.

SECTION 7: Handling and s	torage
7.1. Precautions for safe h	ndling
Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition - No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe sto	rage, including any incompatibilities
Storage conditions	: Keep the container tightly closed. Store in a dry, cool and well-ventilated place. Store away from light. Avoid elevated temperatures.
Storage temperature	: Refrigerated or room temperature
SECTION 8: Exposure cont	ols/personal protection
8.1. Control parameters	
No data available	
8.2. Exposure controls	
Appropriate engineering controls	: Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	: Gloves. Protective goggles. Wear labcoat with full coverage clothing
Hand protection	: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.
Eye protection	: Eye protection, including both chemical splash goggles, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.
Skin and body protection	: Lab coat. Wear suitable protective clothing. Wear long sleeves.
Respiratory protection	: Where excessive vapour, mist, or dust may result, use NIOSH approved respiratory protection equipment.
SECTION 9: Physical and ch	equipment.
9.1. Information on basic p	hysical and chemical properties
Physical state	: Liquid

9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Appearance	: Colorless to pale yellow liquid.	
Color	: Clear. light yellow.	
Odor	: No specific data.	
Odor Threshold	: No data available	
рН	: 9.6 - 10	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Not Flammable	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	: No data available	
Solubility	: Aqueous.	
Log Pow	: No data available	
Log Kow	: No data available	
Viscosity, kinematic	: No data available	
06-Nov-2014	Product code: BCID	

BioFX® BCIP/NBT Purple One Component AP Membrane Substrate

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Viscosity, dynamic	: No data available	
Explosive properties	: Product is not explosive.	
Oxidising properties	: Not an Oxidizer.	
Explosive limits	: No data available	
9.2. Other information		
No additional information available		
SECTION 10: Stability and reactivity		
10.1. Reactivity		
No dangerous reactions known under normal conditi	ons of use.	
10.2. Chemical stability		
Stable under recommended handling and storage cor	nditions (see section 7).	
10.3. Possibility of hazardous reactions		
None known.		
10.4. Conditions to avoid		
Light. Elevated temperatures. Moisture.		
10.5. Incompatible materials		
Strong oxidizing agents.		
10.6. Hazardous decomposition products		
Thermal decomposition generates : Carbon oxides (C	O. CO2). Nitrogen oxides.	
SECTION 11: Toxicological information		
SECTION 11: Toxicological information 11.1. Information on toxicological effects		
11.1. Information on toxicological effects		
	: Not classified	
11.1. Information on toxicological effects Acute toxicity Trade Secret Ingredient 1		
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11.1. Information on toxicological effects Acute toxicity Trade Secret Ingredient 1 LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (mg/l) Trade Secret Ingredient 2	708 mg/kg (Source: IUCLID) 1560 mg/kg (Source: NLM_CIP) > 720 mg/m³ 1 h; (Source: NLM_CIP) 9200 mg/kg : Not classified	
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11.1. Information on toxicological effects Acute toxicity Trade Secret Ingredient 1 LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (mg/l) Trade Secret Ingredient 2 LD50 oral rat Skin corrosion/irritation Serious eye damage/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure) Aspiration hazard Symptoms/injuries after inhalation Symptoms/injuries after skin contact Symptoms/injuries after skin contact	708 mg/kg (Source: IUCLID) 1560 mg/kg (Source: NLM_CIP) > 720 mg/m³ 1 h; (Source: NLM_CIP) 9200 mg/kg Image: Not classified pH: 9.6 - 10 Image: Not classified pH: 0.6 - 10 Image: Not classified Image: Not classified	

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

: No information available.

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12.2. Persistence and degradability

No information available.

12.3. **Bioaccumulative potential**

No information available.

12.4. Mobility in soil

No information available.

12.5. Other adverse effects

No data available.

13.1. Waste treatment methods	
Waste treatment methods	: Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.
SECTION 14: Transport information	1
In accordance with DOT	
Not hazardous for transport	
Additional information	
Other information	: No supplementary information available.
Transport by sea	

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information		
15.1. US Federal regulations		
BioFX [®] BCIP/NBT Purple One Component AP M	embrane Substrate	
All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory All the constituents of this preparation are registered in the EINECS inventory or in the ELINCS list		
SARA Section 311/312 Hazard Classes Delayed (chronic) health hazard		
Maleic acid (110-16-7)		
Listed on United States SARA Section 313		
RQ (Reportable quantity, section 304 of EPA's Li of Lists) :	st 5000 lb Final	

15.2. International regulations

CANADA

No additional information available

15.3. US State regulations

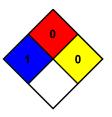
California Proposition 65

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information			
Indication of changes	: Revision 1: New SDS Created.		
Revision date	: 06-Nov-2014		
Other information	: Author: EKW.		
06-Nov-2014	Product code: BCID	5/6	

NFPA fire hazard NFPA reactivity

- : 1 Exposure could cause irritation but only minor residual injury even if no treatment is given.
- : 0 Materials that will not burn.
- : 0 Normally stable, even under fire exposure conditions, and are not reactive with water.



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