



June 2009

MATERIAL SAFETY DATA SHEET [MSDS] — XENNOVATE'S XM18 HYDROCOLLOIDS

This material safety data sheet is provided as a courtesy and is not required or regulated by the OSHA Hazard communication Standard (29 CFR 1910.1200) because when used as recommended and under ordinary conditions, it should not present a health and safety hazard. Use of the product not in accordance with recommendations may affect the product's performance or may present potential health or safety hazards.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Hydrocolloid Adhesive using the product description of: xm18n, where "n" designates specific formulations from the same patented platform

MANUFACTURER: Xennovate Medical LLC
1080 University Blvd
Richmond, IN 47374

EMERGENCY PHONE: 1 (765) 939-2037 (24 HOURS)

PRODUCT USE: Adhesive for medical devices, retail, cosmetic and other skin adhesion applications

SECTION 2: INGREDIENTS

Ingredient	C.A.S. No	% by Wt
Hydrocolloid adhesive	Trade Secret	80-95
Paper liner	unknown	2-5
Polyurethane backing	unknown	2-5

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Odor, color, grade: Roll of tape contained by paper liner and carrier.

General physical form: Solid

Immediate health, physical, and environmental hazards: The environmental properties of this product present a low environmental hazard. This product if used in accordance with Xennovate's directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

3.2 POTENTIAL HEALTH EFFECTS

Eye contact: No health effects are expected

Skin contact: No health effects are expected

Inhalation: No health effects are expected

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Ingestion: No health effects are expected

3.3 POTENTIAL ENVIRONMENTAL EFFECTS

This substance does not leach metals or other RCRA (Resource Conservation and Recovery Act) listed TCLP (Toxic Characteristic Leaching Procedure) hazardous substances at concentrations that would make the product a hazardous waste.

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

The following first aid recommendations are based on the assumption that appropriate personal and industrial hygiene practices are followed.

Eye contact: No need for first aid is anticipated

Skin contact: No need for first aid is anticipated

Inhalation: No need for first aid is anticipated

If Swallowed: No need for first aid is anticipated

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Auto ignition temperature	Not applicable
Flash Point	Not applicable
Flammable Limits- LEL	Not applicable
Flammable Limits-UEL	Not applicable

5.2 EXTINGUISHING MEDIA

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam). Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

5.3 PROTECTION OF FIRE FIGHTERS

Special fire fighting procedures:

Wear full protective equipment (Bunker gear) and a self-contained breathing apparatus (SCBA)

Unusual Fire and Explosion Hazards: No unusual fire or explosion hazards are anticipated.

Note: See Stability and Reactivity (SECTION 10) for hazardous combustion and thermal decomposition information

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Not applicable

SECTION 7: HANDLING AND STORAGE

7.1 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.

7.2 STORAGE

Not applicable

SECTION 8: EXPOSURE CONTROLS | PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Not applicable.

8.2 PERSONAL PROTECTIVE EQUIPMENT [PPE]

8.2.1 Eye/face Protection

Avoid eye contact.

8.2.2 Skin Protection

Not applicable

8.2.3 Respiratory Protection

Not applicable.

8.2.4 Prevention of Swallowing

Do not ingest

8.3 EXPOSURE GUIDELINES

None established

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor, Color, Grade:	Roll of tape contained by paper liner and carrier.
General Physical form:	Solid
Auto ignition temperature	Not applicable
Flash Point:	Not applicable
Flammable Limits - LEL:	Not applicable
Flammable Limits - UEL	Not applicable
Boiling Point:	Not applicable
Density:	Not applicable
Vapor Density:	Not applicable
Specific Gravity:	Not applicable
pH:	Not applicable
Melting Point:	Not applicable
Solubility in Water:	Nil
Evaporation Rate:	Not applicable
Percent Volatile:	Not applicable
Viscosity:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to avoid: None known

Hazardous Polymerization: Hazardous Polymerization will not occur.

Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Carbon Monoxide	Not Specified
Carbon Dioxide	Not Specified

SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
Not determined

CHEMICAL FATE INFORMATION
Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:
Reclaim if feasible. If product can't be reclaimed, dispose of waste in a sanitary landfill. Alternatively, incinerate the waste in an industrial, commercial, or municipal incinerator.

EPA HAZARDOUS WASTE NUMBER (RCRA): NOT REGULATED

SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL

SECTION 14: TRANSPORT INFORMATION

ID NUMBER (s):
70-0000-6463-7 | 70-0001-2666-7

Products are not classified as dangerous goods according to International Air Transport Association regulations.

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

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Contact Xennovate Medical LLC for more information

311/312 HAZARD CATEGORIES

Fire Hazard – no
Pressure Hazard – no
Reactivity Hazard – no
Immediate Hazard – no
Delayed Hazard – no

STATE REGULATIONS

Contact Xennovate Medical LLC for more information

CHEMICAL INVENTORIES

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

Contact Xennovate Medical LLC for more information.

INTERNATIONAL REGULATIONS

Contact Xennovate Medical LLC for more information

ADDITIONAL INFORMATION

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA HAZARD CLASSIFICATION

Health: 0 Flammability: 1 Reactivity: 0 Special Hazards: none

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by 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 on the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

No revision information is available.

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