

**Product identifier used on the label:**

**Product Name:** ADAPT Medical Adhesive

**Other means of identification:**

**Product Codes:** 7730

**Manufacturer MSDS Number:** 7730

**Recommended use of the chemical and restrictions on use:**

**Product Uses:** For ostomy and other appliances, prosthetic devices and surgical dressings and pads.  
Do not apply this product directly on the skin, such as penile skin, or other areas of the body including orifices (eyes, mouth, ears, nose), mucosal surfaces (stoma, vagina, penile orifice), unhealed wounds or eroded/broken skin

**Product Restrictions:** For ostomy and other appliances, prosthetic devices and surgical dressings and pads.  
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**Chemical manufacturer address and telephone number:**

**Manufacturer Name:** Hollister Incorporated

**Manufacturer Address 1:** 2000 Hollister Drive

**Manufacturer City:** Libertyville

**Manufacturer State:** Illinois

**Manufacturer Zip Code:** 60048

**Manufacturer Country:** USA

**Manufacturer Web:** www.Hollister.com

**Business Phone:** 847-680-1000

**Emergency phone number:**

**Emergency Phone:** 847-680-1000

**Revision Date:** 2017-07-03

## Section 2: Hazards Identification

**Classification of the chemical in accordance with CFR 1910.1200(d)(f):**

**Signal Words:** Danger.

**Emergency Overview:** DANGER! Extremely flammable aerosol. Irritant. Contents under pressure. Inhalation of vapors may cause drowsiness and dizziness. Hazardous to the aquatic environment.

**GHS Class:** Flammable Liquid, Category 2.  
Hazardous to the aquatic environment. Category 2

**Hazard Statements:**

H222 - Extremely flammable aerosol.  
 H400 - Toxic to aquatic life.  
 H410 - Toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

P211 - Do not spray on an open flame or other ignition source.  
 P251 - Pressurized container: Do not pierce or burn, even after use.  
 P273 - Avoid release to the environment.  
 P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
 P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
 P501 - Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

**Hazards not otherwise classified that have been identified during the classification process:**

**Section 3: Composition/Information on Ingredients** 7730

**Mixtures:**

Ingredient Name	CAS Number	Ingredient Percent	EC Number	Comments					
Hexamethyldisiloxane	107-46-0	33 - 45% by weight	203-492-7						
<table border="1" style="width: 100%;"> <tr> <td>Flam. Liq. 2</td> <td>Aqua Ch. 1</td> <td>Aqua Ac. 1</td> <td colspan="2"></td> </tr> </table>					Flam. Liq. 2	Aqua Ch. 1	Aqua Ac. 1		
Flam. Liq. 2	Aqua Ch. 1	Aqua Ac. 1							
1,1-difluoroethane	75-37-6	40 % by weight	200-866-1						
<table border="1" style="width: 100%;"> <tr> <td>Flam. Gas 1</td> <td>Liq. Gas</td> <td colspan="3"></td> </tr> </table>					Flam. Gas 1	Liq. Gas			
Flam. Gas 1	Liq. Gas								
Non hazardous ingredients	No data	15 - 27 % by weight							

**Section 4: First Aid Measures** 7730

**Description of necessary measures:**

**Eye Contact:** No effects anticipated. If symptoms develop, immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue rinsing. Get medical attention, if irritation or symptoms of overexposure persists.

**Skin Contact:** No effects anticipated. If symptoms develop. Wash with mild soap and cold water if irritation occurs.

**Inhalation:** No effects anticipated. If symptoms develop. In the case of accidental inhalation, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Consult a physician if necessary.

**Ingestion:** If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Most important symptoms/effects, acute and delayed:**

**Other First Aid:** Inhalation of vapors may cause drowsiness and dizziness.

**Indication of immediate medical attention and special treatment needed**

**Note To Physicians:** None.

**Section 5: Firefighting Measures** 7730

**Suitable and unsuitable extinguishing media**

**Extinguishing Media:** Use carbon dioxide (CO2) or dry chemical when fighting fires involving this material.

**Specific hazards arising from the chemical**  
**Special protective equipment and precautions for fire-fighters**

<b>Fire Fighting Instructions:</b>	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
<b>Protective Equipment:</b>	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>NFPA Health:</b>	1
<b>NFPA Fire:</b>	3
<b>NFPA Reactivity:</b>	0

## Section 6: Accidental Release Measures

7730

### Personal precautions, protective equipment and emergency procedures

**Personnel Precautions:** For large spills, Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment as listed in Section 8.

### Methods and materials for containment and cleaning up

**Methods for Containment:** For large spills, Place leaking cans in a container such as an open pail or plastic bag if safe to do so and let the the gas and pressure dissipate. Contain spills with an inert absorbent material such as soil or sand. Prevent from spreading by covering, diking or other means. Provide ventilation. Eliminate all ignition sources including those beyond the immediate spill area if safe to do so.

**Methods for Cleanup:** For large spills, Clean up spills immediately observing precautions in the protective equipment section. Collect spill with a non-sparking tool. Place into a suitable container for disposal. Take precautionary measures against static discharges. After removal, flush spill area with soap and water to remove trace residue.

### Environmental precautions

**Environmental Precautions:** For large spills: Avoid runoff into storm sewers, ditches, and waterways.

## Section 7: Handling and Storage

7730

### Precautions for safe handling

**Handling:** Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.

**Special Handling:** Do not re-use empty containers.

**Hygiene Practices:** Wash thoroughly after handling. Avoid contact with eyes.

### Conditions for safe storage, including any incompatibilities

**Storage:** Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.

## Section 8: Exposure Controls/Personal Protection

7730

### Exposure Guidelines

#### Exposure Guidelines - Ingredient Based:

##### 1,1-difluoroethane:

**ACGIH:** Not established.

**OSHA:** Not established.

### Appropriate engineering controls

**Engineering Controls:** No special protective equipment required under normal conditions of use. Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

#### Individual protection measures

**Eye Protection:** No special protective equipment required under normal conditions of use. If splashes are likely to occur, wear: Chemical splash goggles.

**Face Protection:** No special protective equipment required under normal conditions of use. If splashes are likely to occur, wear: Chemical splash goggles.

**Skin Protection:** No special protective equipment required under normal conditions of use. If splashes are likely to occur, wear: Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.

**Respiratory Protection:** No special protective equipment required under normal conditions of use. No personal respiratory protective equipment is normally required. The need for respiratory protection will vary according to the airborne concentrations and environmental conditions (such as in manufacturing).

**Hygiene Practices:** Wash thoroughly after handling. Avoid contact with eyes.

### Section 9: Physical and Chemical Properties

7730

#### Physical and chemical properties

**Physical State:** Aerosol.

**Color:** Colorless.

**Odor:** Solvent.

**pH:** Not determined.

**Melting Temperature:** Not determined.

**Boiling Temperature:** -25 °C (-32 °F) as difluoroethane

**Flash Point:** -50°C (-58 °F)

**Flash Point Method:** closed cup.

**Ignition Temperature:** 454 °C as difluoroethane

**Lower Flammable Limit:** 3.9% as difluoroethane

**Upper Flammable Limit:** 16.9% as difluoroethane

**Vapor Pressure:** 42.2 mmHg @ 25 °C (77°F) as difluoroethane

**Vapor Density:** 5.6

**Solubility:** slightly soluble.

**Specific Gravity:** 0.90 (25 °C) as difluoroethane

**Evaporation Rate:** 3.4 (Ref: water = 1). as difluoroethane

**Percent Volatile:** Not determined.

**VOC Content:** Not determined.

**Viscosity:** Not determined.

**Odor Threshold:** Not determined.

**Octanol Water Partition Coef:** Coefficient of Water/Oil Distribution: Not determined.

**Reactivity:****Chemical Stability:**

**Chemical Stability:** Stable under normal temperatures and pressures.

**Possibility of hazardous reactions:**

**Hazardous Polymerization:** Not reported.

**Conditions To Avoid:**

**Conditions To Avoid:** Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or temperatures below 0°C (32°F).

**Incompatible Materials:**

**Incompatible Materials:** Oxidizing agents. Strong acids and alkalis.

## Section 11: Toxicological Information

7730

**Toxicological Information:**

**Route of Exposure:** Eyes. Skin. Inhalation. Ingestion.

**Sign and Symptoms:** Overexposure can cause headaches, dizziness, nausea, and vomiting.

**Target Organ Data:** Eyes. Skin. Respiratory system . Digestive system .

**PreExisting Conditions Aggravated by Exposure:** None generally recognized.

**Acute Inhalation Effects:** Prolonged or excessive inhalation may cause respiratory tract irritation.

**Acute Skin Effects:** May cause irritation. No effects anticipated.

**Acute Ingestion Effects:** Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.

**Acute Eye Effects:** May cause irritation.

## Section 12: Ecological Information

7730

**Ecotoxicity:**

**Ecotoxicity:** Toxic to aquatic life with long lasting effects.

**Hexamethyldisiloxane:**

**Eye Toxicity:** Administration into the eye - Rabbit Standard Draize test : 100 uL/24H [Mild ] (RTECS)

**Skin Toxicity:** Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill: 16 mL/kg [Peripheral Nerve and Sensation - Flaccid paralysis with appropriate anesthesia Behavioral - Altered sleep time (including change in righting reflex)Behavioral - Somnolence (general depressed activity)] Administration onto the skin - Rabbit Standard Draize test: 500 mg/24H [Mild] (RTECS)

**Ingestion Toxicity:** Oral - Rat LDLo - Lowest published lethal dose : 8 mL/kg [Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Somnolence (general depressed activity) ] (RTECS)

**Inhalation Toxicity:** Inhalation - Rat LC50 - Lethal concentration, 50 percent kill : 15956 ppm/4H [Behavioral - Somnolence (general depressed activity) Behavioral - Convulsions or effect on seizure threshold Behavioral - Ataxia ] (RTECS)

**Effect of Material On Aquatic:** LC50 - Oncorhynchus mykiss (rainbow trout) - 3.02 mg/l - 96 h

**1,1-difluoroethane:**

**Ingestion Toxicity:** Oral - Rat LDLo - Lowest published lethal dose: >1500 mg/kg [ Behavioral - Somnolence (general depressed activity) ]  
 Oral - Rat LDLo - Lowest published lethal dose: >1500 mg/kg [ Lungs, Thorax, or Respiration - Dyspnea Gastrointestinal - Hypermotility, diarrhea ] (RTECS)

**Inhalation Toxicity:** Inhalation - Mouse LC50 - Lethal concentration, 50 percent kill: 977 gm/m<sup>3</sup>/2H [ Details of toxic effects not reported other than lethal dose value ] (RTECS)

**Effect of Material On Aquatic:** The 96-hour LC50 for fish 295.783 mg/L.(QSAR Estimation)  
 The 48 hour EC50 for Daphnia 146.695 mg/L.(QSAR Estimation)  
 The 96-hour EC50 for algae 47.755 mg/L.(QSAR Estimation) (ECHA)

**Persistence and degradability:**

**Biodegradation:** Not readily biodegradable.

**1,1-difluoroethane:**

**Biodegradation:** Not readily biodegradable.

**Bioaccumulative potential:**

**1,1-difluoroethane:**

**BioAccumulation:** Bioconcentration factor (BCF): 2

**Mobility in soil:**

Section 13: Disposal Considerations

7730

**Description of waste:**

**Waste Disposal:** Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

**Waste Number:** RCRA Number: D001

Section 14: Transport Information

7730

**DOT Shipping Name:** Consumer Commodity.

**DOT UN Number:** None.

**DOT Hazard Class:** ORM-D.

**IMDG Shipping Name:** AEROSOLS, LIMITED QUANTITY

**IMDG UN Number:** UN1950

**IMDG Hazard Class:** 2

**IATA Shipping Name:** Consumer Commodity.

**IATA UN Number:** ID8000

**IATA Hazard Class:** 9

**Notes from Section 14:** The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment.  
 Transportation Emergency Contact: Infotrac – Contract Number 109104  
 Emergency Telephone Number: 1-800-535-5053, include 50 states in the U.S. and Canada, all provinces.  
 International Emergency Contact : 1-352-323-3500

Section 15: Regulatory Information

7730

**Safety, health and environmental regulations specific for the product:**

**Regulatory - Product Based:**

Canada WHMIS:

Controlled - Class: B2 Flammable Liquid.

**Regulatory - Ingredient Based:**

**Hexamethyldisiloxane:**

Canada DSL: Listed

TSCA Inventory Status: Listed

EC Number: 203-492-7

**1,1-difluoroethane:**

Canada DSL: Listed

TSCA Inventory Status: Listed

EC Number: 200-866-1

**Section 16: Additional Information**

7730

**Issue Date:** 04/07/2014

**Revision Date:** 2017-07-03

**Revision Notes:** Update Grammar

**Disclaimer:** This product is exempt from Safety Data Sheet regulations as the product is for consumer use. The information contained in this Safety Data Sheet (SDS) is offered as a guide to the use and handling of this material. All safety aspects of all Hollister products are thoroughly evaluated prior to commercialization. This SDS has been prepared in good faith by technically knowledgeable personnel. Hollister Incorporated shall not be held liable for any damages, losses or injuries of any nature which may result from the use of or reliance upon any information contained in this SDS. Each individual should make a determination as to the suitability of the information for his or her particular purpose(s).

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**HMIS:**

<b>Health</b>	<b>1</b>
<b>Flammability</b>	<b>3</b>
<b>Reactivity</b>	<b>0</b>
<b>PPE</b>	<b>X</b>

Chronic Health Hazard

**NFPA:**



**Other Information:**

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