

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product Name: ADAPT Medical Adhesive
Product Code: 7730
SDS Manufacturer Number: 7730
Manufacturer Name: Hollister Incorporated
Address: 2000 Hollister Drive
 Libertyville, Illinois 60048
 USA
General Phone Number: 847-680-1000
SDS Creation Date: April 07, 2014
SDS Revision Date: December 11, 2014

SECTION 2 : HAZARD(S) IDENTIFICATION

GHS Pictograms:



Signal Word: Danger.

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

Hazard Statements: Extremely flammable aerosol.
 Toxic to aquatic life.
 Toxic to aquatic life with long lasting effects.

Precautionary Statements: Keep away from heat/sparks/open flames/hotsurfaces. — No smoking.
 Do not spray on an open flame or other ignition source.
 Pressurized container: Do not pierce or burn, even after use.
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 Avoid release to the environment.
 Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

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

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

Potential Health Effects:

Eye: May cause irritation.

Skin: May cause irritation.

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

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

Signs/Symptoms: Overexposure can cause headaches, dizziness, nausea, and vomiting.

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

Aggravation of Pre-Existing Conditions: None generally recognized.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS# | Ingredient Percent | EC Num. |
|----------------------|----------|--------------------|-----------|
| Hexamethyldisiloxane | 107-46-0 | 60 by weight | 203-492-7 |
| 1,1-difluoroethane | 75-37-6 | 40 by weight | 200-866-1 |

SECTION 4 : FIRST AID MEASURES

Eye Contact: 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.

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| Skin Contact: | Wash with mild soap and cold water if irritation occurs. |
| Inhalation: | 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. |

SECTION 5 : FIRE FIGHTING MEASURES

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| Flammable Properties: | Flammable liquid. |
| Flash Point: | -50°C (-58 °F) |
| Flash Point Method: | closed cup. |
| Auto Ignition Temperature: | 454 °C as difluoroethane |
| Lower Flammable/Explosive Limit: | 3.9% as difluoroethane |
| Upper Flammable/Explosive Limit: | 16.9% as difluoroethane |
| Fire Fighting Instructions: | 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. |
| Extinguishing Media: | Use carbon dioxide (CO2) or dry chemical when fighting fires involving this material. |
| Protective Equipment: | As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear. |

NFPA Ratings:

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| NFPA Health: | 1 |
| NFPA Flammability: | 3 |
| NFPA Reactivity: | 0 |

SECTION 6 : ACCIDENTAL RELEASE MEASURES

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

SECTION 7 : HANDLING and STORAGE

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| Handling: | Use with adequate ventilation. Avoid breathing vapor, aerosol or mist. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures. |
| 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. |
| Special Handling Procedures: | Do not re-use empty containers. |
| Hygiene Practices: | Wash thoroughly after handling. Avoid contact with eyes. |

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

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| 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. |
| Eye/Face Protection: | No special protective equipment required under normal conditions of use. If splashes are likely to occur, wear: Chemical splash goggles. |
| Skin Protection Description: | 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 normally required. The need for respiratory protection will vary according to the airborne concentrations and environmental conditions (such as in manufacturing). |

1,1-difluoroethane :

Guideline ACGIH: Not established.
Guideline OSHA: Not established.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State: Aerosol.
Color: Colorless.
Odor: Solvent.
Odor Threshold: Not determined.
Boiling Point: -25 °C (-32 °F) as difluoroethane
Melting Point: Not determined.
Specific Gravity: 0.90 (25 °C) as difluoroethane
Solubility: slightly soluble.
Vapor Density: 5.6
Vapor Pressure: 42.2 mmHg @ 25 °C (77°F) as difluoroethane
Percent Volatile: Not determined.
Evaporation Rate: 3.4 (Ref: water = 1). as difluoroethane
pH: Not determined.
Viscosity: Not determined.
Coefficient of Water/Oil Distribution: Not determined.
Flash Point: -50°C (-58 °F)
Flash Point Method: closed cup.
Auto Ignition Temperature: 454 °C as difluoroethane
VOC Content: Not determined.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Hazardous Polymerization: Not reported.
Conditions to Avoid: Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or temperatures below 0°C (32°F).
Incompatible Materials: Oxidizing agents. Strong acids and alkalis.

SECTION 11 : TOXICOLOGICAL INFORMATION**Hexamethyldisiloxane :**

RTECS Number: JM9237000
Eye: Administration into the eye - Rabbit Standard Draize test : 100 uL/24H [Mild] (RTECS)
Skin: 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)
Inhalation: 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)
Ingestion: 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)

1,1-difluoroethane :

RTECS Number: KI1410000
Inhalation: Inhalation - Mouse LC50 - Lethal concentration, 50 percent kill : 977 gm/m3/2H [Details of toxic effects not reported other than lethal dose value] (RTECS)
Ingestion: 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)

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life with long lasting effects.
Biodegradation: Not readily biodegradable.

Hexamethyldisiloxane :

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

1,1-difluoroethane :

Biodegradation: Not readily biodegradable.

Bioaccumulation: Bioconcentration factor (BCF): 2

Effect of Material On Aquatic Life: 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)

SECTION 13 : DISPOSAL CONSIDERATIONS

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.

RCRA Number: D001

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Consumer Commodity.

DOT UN Number: None.

DOT Hazard Class: ORM-D.

IATA Shipping Name: Consumer Commodity.

IATA UN Number: ID8000

IATA Hazard Class: 9

IMDG UN Number : UN1950

IMDG Shipping Name : AEROSOLS, LIMITED QUANTITY

IMDG Hazard Class : 2

Notes : The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment.
Transportation Emergency Contact: Airpack Inc. - HI073114
Emergency Telephone Number: 410-768-8155

SECTION 15 : REGULATORY INFORMATION

Canada WHMIS: Controlled - Class: B2 Flammable Liquid.

Hexamethyldisiloxane :

TSCA Inventory Status: Listed

Canada DSL: Listed

EC Number: 203-492-7

1,1-difluoroethane :

TSCA Inventory Status: Listed

Canada DSL: Listed

EC Number: 200-866-1

WHMIS Pictograms:



SECTION 16 : ADDITIONAL INFORMATION

HMIS Health Hazard: 1

HMIS Fire Hazard: 3

HMIS Reactivity: 0

HMIS Personal Protection: X

MSDS Creation Date: April 07, 2014

MSDS Revision Date: December 11, 2014

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).

