Hollister

Section 1: Identification of the Substance/Mixture and of the Company Undertaking 7731

Product identifier used on the label:

Product Name:	Medical Adhesive Remover

Other means of identification:

Product Codes:	7731
Manufacturer MSDS Number:	7731

Recommended use of the chemical and restrictions on use:

Product Uses:	Medical adhesive remover For external use only. Avoid use on delicated or sensitive areas of skin (eyes, mouth, ears, nose, and vagina). Discontinue use if irritation occurs.
Product Restrictions:	Medical adhesive remover For external use only. Avoid use on delicated or sensitive areas of skin (eyes, mouth, ears, nose, and vagina). Discontinue use if irritation occurs.

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:	12/17/2018

Section 2: Hazards Identification 7731

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.

Product:

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 no 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 7731

Mixtures:

Ingredient Name	CAS Number	Ingredient Percent	EC Number	Comments
Isobutane	106-97-8	15% by weight	203-448-7	
Hexamethyldisiloxane	107-46-0	85% by weight	203-492-7	

Section 4: First Aid Measures 7731

Description of necessary 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.
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.

Most important symptoms/effects, acute and delayed:
Indication of immediate medical attention and special treatment needed

Note To Physicians:	None.

Section 5: Firefighting Measures 7731

Suitable and unsuitable extinguishing media

Extinguishing Media:	Use carbon dioxide (CO_2) or dry chemical when fighting fires involving this material.

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

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.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
NFPA Health:	1

NFPA Fire:	3
NFPA Reactivity:	0

Section 6: Accidental Release Measures 7731

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 7731

Precautions for safe handling

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.
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 7731

Exposure Guidelines

Exposure Guidelines - Ingredient Based:

Isobutane:

ACGIH:	TLV-TWA: 1000 ppm

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 7731

Physical and chemical properties

Physical State:	Aerosol.
Color:	Colorless.
Odor:	Solvent.
pH:	Not determined.
Melting Temperature:	Not determined.
Boiling Temperature:	-11.7 °C (-10.9 °F) as isobutane
Flash Point:	-160°C (-101 °F) as isobutane
Flash Point Method:	closed cup.
Ignition Temperature:	405 °C (706 °F) as isobutane
Lower Flammable Limit:	1.8% as isobutane
Upper Flammable Limit:	8.5% as isobutane
Vapor Pressure:	334 mmHg @ 25 °C (77°F) as isobutane
Vapor Density:	Heavier than air.
Solubility:	slightly soluble.
Specific Gravity:	2.006 (20 °C) as isobutane
Evaporation Rate:	Not determined.
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.

Section 10: Stability and Reactivity 7731

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 7731

Toxicological Information:

Product:

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

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)

Isobutane:

Inhalation Toxicity:	Inhalation - Rat LC50 - Lethal concentration, 50 percent kill : 658000 mg/m3/4H [Details of toxic effects not reported other than lethal dose value] Inhalation - Mouse LC50 - Lethal concentration, 50 percent kill : 680000 mg/m3/2H [Details of toxic effects not reported other than lethal dose value] (RTECS)

Section 12: Ecological Information 7731

Ecotoxicity:

Product:

Ecotoxicity:	Toxic to aquatic life with long lasting effects.

Hexamethyldisiloxane:

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

Persistence and degradability:

Product:

Biodegredation:	Not readily biodegradable.

Section 13: Disposal Considerations 7731

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. RCRA Number: U159, D001, D035

Section 14: Transport Information 7731

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. Tranportation Emergency Contact: Airpack Inc. - HI073114 Emergency Telephone Number: 410-768-8155

Section 15: Regulatory Information 7731

Safety, health and environmental regulations specific for the product:

Regulatory - Product Based:

Canada WHMIS:

Controlled - Class: B2 Flammable Liquid.

Regulatory - Ingredient Based:

Isobutane:

Canada DSL:	Listed
TSCA Inventory Status:	Listed
EC Number:	203-448-7

Hexamethyldisiloxane:

Canada DSL:	Listed
TSCA Inventory Status:	Listed
EC Number:	203-492-7

Section 16: Additional Information 7731

Issue Date:	04/07/2014
Revision Date:	12/17/2018
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:

Health	1
Flammability	3
Reactivity	0
PPE	X

Chronic Health Hazard

NFPA:

Other Information: