

MATERIAL SAFETY DATA SHEET

Independence Adhesive Remover Spray

Technical File TF03

Product Code: RS1



This data sheet has been prepared in accordance with the requirements of Article 31 of EU Regulation 1907/2006 (as amended) on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	Independence Adhesive Remover Spray
SYNONYMS:	Medical Adhesive Remover
PRODUCT CODES:	RS1
MANUFACTURER:	ProSys International Ltd
DIVISION:	Regulatory Affairs - London
ADDRESS:	Suite 303, Highland House, 165 The Broadway, Wimbledon, London, UK
EMERGENCY PHONE:	+44 (0) 208 944 7585
CHEMTREC PHONE:	Not Applicable
FAX PHONE:	+44 (0) 208 944 5434
CHEMICAL NAME:	Hexamethyldisiloxane
PRODUCT USE:	This Adhesive Remover Spray has been specifically developed for fast, painless & trauma free removal of medical adhesives used in stoma care products, dressings and other medical appliances from skin surfaces
PREPARED BY:	ProSys International Ltd

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS No.	EINECS	RISK CLASSIFICATION
Hexamethyldisiloxane	107-46-0	203-492-7	H225 (Highly Flammable) H400 (Very toxic to aquatic organisms)
Butane 40	68476-85-7	270-704-2	H220 (Extremely Flammable) H280 (Gas under Pressure, may explode)

SECTION 3: HAZARDS IDENTIFICATION

The principal hazards of the product as supplied are:

Highly flammable.

Very toxic to aquatic organisms.

Vapours may form explosive mixtures with air.

Compressed Gases.

Note: Hazard Pictograms listed in Section 15 of this MSDS.

SECTION 4: FIRST AID MEASURES

POTENTIAL HEALTH EFFECTS

EYES:	Irrigate thoroughly with water. Seek medical advice if irritation persists.
SKIN:	No Health effects are expected
INGESTION:	If ingested, seek medical advice if significant quantities have been swallowed.
INHALATION:	Remove Patient to fresh air.
NOTE:	Users that have a history of skin allergies should receive medical advice should irritation occur

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media:	On large fires use alcohol compatible foam or water spray (fog). On small fires use alcohol compatible foam, CO2 or water spray (fog). Water can be used to cool fire exposed containers.
Unsuitable extinguishing media:	None known.
Hazards during fire fighting :	Fire burns more vigorously than would be expected. Vapours are heavier than air and can travel along ground to remote ignition sources. Electrostatic charges may be generated during transfer of product from its container. Ensure that all equipment is electrically earthed. Vapours may form explosive mixtures with air.
Special protective equipment:	For large fires, a self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
Hazardous Combustion Products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures:	Wear proper protective equipment.
Precautions to protect the environment:	Do not empty into drains. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers. Inform Local Authorities if this cannot be prevented.

Methods for cleaning up:

Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of ignition. For very large spills these should be contained by bunding, etc. procedures. Mop, wipe or soak up with absorbent material and place in a container with a lid. The spilled product produces an extremely slippery surface

SECTION 7: HANDLING & STORAGE**Advice on safe handling:**

Read the label before use, general ventilation is required. Local ventilation is recommended. Do not breathe vapour. Do not breathe spray or mist. Avoid eye contact. Do not mix with other chemicals. Keep out of reach of children

Advice on storage:

Store in a flameproof, well ventilated area. Electrostatic charges may be generated during transfer of product from its container. Ensure that all equipment is electrically earthed. Keep container tightly closed.

Vapours may form explosive mixtures with air. Store at ambient temperatures under dry conditions

Specific uses:

Refer to technical data sheet available on request.

Unsuitable packaging materials:

Not known

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Controls:**

Ventilation - Refer to Section 7. Do not smoke during use

Exposure controls for hazardous components**Name**

Hexamethyldisiloxane

Exposure Limits

200 ppm (8h TWA) Dow Corning recommendation.

Respiratory protection:

Do not breathe in spray. For bulk product - Suitable respiratory protection should be worn if the product is used in large quantities, confined spaces or in other circumstances where the OEL may be approached or exceeded. A suitable respirator must be worn if the product is used in any circumstances where an aerosol or mist may be generated, such as during spraying or similar activities. Depending on the working conditions, wear a respiratory mask with filter(s) AP or use a self-contained respirator. The choice of a filter type depends on the amount and type of chemical being handled in the workplace. Regarding filter characteristics, contact your respiratory protection supplier.

Hand protection:

For bulk product - Gloves are not normally required.

Viscosity:	0.65 mm ² /s at 25°C.
VOC content:	760 g/l
Molecular weight:	162
Oxidizing properties:	No

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable and unreactive
CONDITIONS TO AVOID (STABILITY):	Sources of Ignition
INCOMPATIBILITY (MATERIAL TO AVOID):	Oxidising Acids; Open Flame
HAZARDOUS DECOMPOSITION:	May emit Carbon Monoxide; Carbon Dioxide; and fine particulates in the form of smoke. Formaldehyde (See Section 5)
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

On contact with eyes:	May cause temporary discomfort.
On skin contact:	No adverse effects are normally expected.
If inhaled:	No adverse effects are normally expected.
On ingestion:	No adverse effects are normally expected. Deliberate inhalation abuse could prove fatal in extreme circumstances.
Other Health Hazard Information:	Product may emit formaldehyde vapour at temperatures above 150°C in the presence of air. Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected

SECTION 12: ECOLOGICAL INFORMATION

Environmental fate and distribution

Low molecular weight volatile siloxanes have very low water solubility and evaporate to air. Low molecular weight volatile siloxanes in air are degraded by reaction with hydroxyl radicals, which is the dominant degradation process for most chemicals in the atmosphere.

Low molecular weight volatile siloxanes in soil are removed by several simultaneously occurring processes including volatilisation, hydrolysis, and clay-catalysed degradation. This product hydrolyses in water, releasing silanols. Hexamethyldisiloxane degrades in the atmosphere and does not persist in soil or water.

Eco-toxicity effects

Very toxic to aquatic organisms.

Fish: Oncorhynchus mykiss 96 Hrs LC50 0.46 mg/L

Invertebrates: Daphnia magna 72 Hrs EC50 0.79 mg/L

Algae: Selenastrum capricornutum 96 Hrs EC50 > 0.93mg/L

Bioaccumulation: Low molecular weight volatile siloxanes bioconcentrate in fish exposed under controlled laboratory conditions that are not representative of conditions found in the environment.

Fate and effects in waste water treatment plants

No adverse effects on bacteria are predicted. The siloxanes in this product do not contribute to the BOD. Low molecular weight volatile siloxanes are efficiently removed (>90%) during wastewater treatment with approximately equal amounts going to the atmosphere and the sludge.

Low molecular weight volatile siloxanes in treated wastewater effluent will be bound to particulate matter because of very low water solubility.

SECTION 13: DISPOSAL CONSIDERATIONS

Product disposal: This material must be disposed of as hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not puncture or incinerate even when empty.

Packaging disposal: Dispose of in accordance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

EUROPEAN WASTE CODE: 18.01.04

SECTION 14: TRANSPORT INFORMATION

Road / Rail (ADR/RID)

UN No.:	UN 1993
Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)
Class:	3
Packing group:	II
Labels:	3

Sea Transport (IMDG)

UN No.:	UN 1993 & UN Code 1950
Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)
Class:	3
Packing group:	II
Emergency Schedule: (Ems)	F-E S-E
Labels:	flammable liquid

Air transport (IATA)

UN No.:	UN 1993
Proper Shipping Name:	Flammable liquid, n.o.s. (Hexamethyldisiloxane)
Class:	3
Packing group:	II
Labels:	Flammable Liquid

SECTION 15: REGULATORY INFORMATION

This material has been classified according to the requirements of implementing the United Nations "Globally Harmonised System of Classification and Labelling of Chemicals" (GHS), EU Regulation 1271/2008 on the Classification, Labelling and Packaging of Substances and Mixtures (the CLP Regulation)

Product Label

Extremely Flammable Gas Contains: Butane (Commercial Butane to BS4250)
Danger

Safety Phrases

P102 Keep out of the reach of children
P210 Keep away from heat/sparks/open flames/hot surfaces – NO SMOKING
P273 Avoid release to the environment

P377 Leaking Gas Fire: Do not extinguish, unless leak can be stopped safely.
P381 Eliminate all sources of ignition if safe to do so

Hazard Pictograms



Highly Flammable



Hazardous to the Environment



Gas under Pressure



Explosive

SECTION 16: OTHER INFORMATION

HISTORY:

Version 1. Dated 6th June 2017

DISCLAIMER:

The information contained within this MSDS is based only upon our current level of knowledge.

This information is given for guidance only and is not to be considered as a warranty

REGULATIONS:

This Product complies with the Medical Device Directive 93/42/EC and is categorised as Class 1

PREPARED BY:

ProSys International Ltd

AEROSOL CAUTION:

The container is pressurised. Do not pierce or burn, even when empty. Protect from sunlight and do not expose to temperatures exceeding 50 degrees centigrade. Do not spray on a naked flame or any incandescent material. Keep out of reach of children. Keep away from sources of Ignition. No smoking

END