

Material Safety Data Sheet

Product Name: Pelican Release Adhesive Remover
 Revision: 6th May 2015 Version 1
 Print Date: Thursday, 23 June 2016

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1 - Identification of the Substance/preparation & the company/undertaking

1.1 Product identifier

RELEASE ADHESIVE REMOVER

130360- Box of 30 sachets of Release Adhesive Remover
 130460- 50ml aerosol of Release Adhesive Remover

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use – medical adhesive remover

1.3 Details of the supplier of the safety data sheet

Supplier

Pelican Healthcare Limited

Address

Greypoint, Cardiff Business Park, Parc Ty Glas

Postal code/city

Cardiff, CF14 5WF, Wales

Telephone / Telefax

T+44 2920 747000 F +44 2920 747757

Information Contact

Owen McNamara (E-mail: owen.mcnamara@pelicanhealthcare.co.uk)

1.4 Emergency telephone number

+44 2920 747000 (only at office hours 9:00 - 17:00)

2 - Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Highly flammable. Very toxic to aquatic organisms.

F; R11. N; R50

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard classes and hazard categories

Flam, Liq. 2. Skin Sens. 2. Aquatic Acute 1

Physical hazards

Flammable liquids: Category 2

Health hazards

Sensitisation (Skin): Category 2

Environmental hazards

Acute aquatic toxicity: Category 1

Flam, Liq. 2. Skin Sens. 2. Aquatic Acute 1

Highly flammable liquid and vapour. Very toxic to aquatic life.

Aquatic acute 1; H400. Flam Liq. 2; H225

2.2 Label elements

Labelling (67/548/EEC or 1999/45/EC)

Hazard symbols and hazard statements of dangerous substances and preparations



F; Highly flammable



N; Dangerous for the environment

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2 - Hazard Identification (Continued)

R-phrases

11 Highly flammable.
 50 Very toxic to aquatic organisms.

S-phrases

29/35 Do not empty into drains; dispose of this material and its container in a safe way.
 61 Avoid release to the environment. Refer to special instructions/safety data sheet.
 16 Keep away from sources of ignition- no smoking.
 33 Take precautionary measures against static discharges.
 7/9 Keep container tightly closed and in a well-ventilated place

Special provisions concerning the labelling of certain mixtures

99 Contains CARVONE; (R)-P-MENTHA-1,8-DIENE. May produce an allergic reaction.

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictograms



Flame (GHS02) Environment (GHS09)

Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour
 H400 Very toxic to aquatic life

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
 P233 Keep container tightly closed
 P303+P361+P353 IF ON SKIN (or hair): remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P370+P378 In case of fire: use sand, foam, CO₂, dry extinguisher for extinction
 P403+P235 Store in a well-ventilated place. Keep cool
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations

Special rules for supplemental label elements for certain mixtures

EUH208 Contains CARVONE; (R)-P-METHA-1, 8-DIENE. May produce an allergic reaction

2.3 Other hazards

None

3 - Composition/Information on Ingredients

3.2 Mixtures

Hazardous ingredients

HEXAMETHYLDISILOXANE; REACH registration No: 01-2119496108-31; EC No: 203-492-7; CAS No: 107-46-0
 Weight fractions: 50-100%
 Classification 67/548/EEC: F; R11. N; R50
 Classification 1272/2008 [CLP] Flam. Liq. 2; H225 Aquatic Acute 1; H400

CARVONE; EC No. 229-352-5; CAS No: 6485-40-1
 Weight fraction: <1%
 Classification 67/548/EEC: R43 Xn; R22
 Classification 1272/2008 [CLP]: Acute Tox 4; H302 Skin Sens 1; H317

(R)-P-MENTHA-1, 8-DIENE EC No: 227-813-5; CAS No: 5989-27-5
 Weight fraction: <0.25 %
 Classification 67/548/EEC: R10 N; R50/53; R43 Xi; R38
 Classification 1272/2008 [CLP] Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

Additional information

Full text of R- H- and EUH-phrases: see Section 16.

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4 - First-Aid Measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

After inhalation

No special measures are necessary.

In case of skin contact

No special measures are necessary

After eye contact

No special measures are necessary

After ingestion

No special measures are necessary

4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions

4.3 Indications of any immediate medical attention and special treatment needed

None

5 - Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, carbon dioxide (CO₂), extinguishing powder, water mist.

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In the case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide. Nitrous oxides (NO_x)

5.3 Advice for firefighters

Do not inhale explosion and combustion gases. Use water spray jet to protect personnel and to cool endangered containers. Do not allow run-off from fire-fighting to enter drains or water courses. Very toxic to aquatic life.

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Special danger of slipping by leaking/spilling product. Keep away from sources of ignition. No smoking. Do not breathe gas/fumes/vapour spray. Provide adequate ventilation. Remove persons to safety. See protective measures under point 7 and 8.

6.2 Environmental precautions

Ensure all waste water is collected and treated via a waste water treatment plant. In case of gas escape or any entry into waterways, soil or drains, inform the responsible authorities. Very toxic to aquatic life.

6.3 Methods and material for containment and clean up

Suitable material for taking up: Sand. Universal binder sawdust. Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

See protective measures under point 7 and 8.

7 - Handling & Storage

7.1 Precautions for safe handling

Provide adequate ventilation. When using do not eat, drink, smoke, sniff. Wash hands after use. Keep away from sources of ignition. No smoking. Vapours can form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep/store only in original container. Keep away from direct sunlight. Keep away from sources of ignition. No smoking.

7.3 Specific end uses

None

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8 - Exposure Controls/Personal Protection

8.1 Control parameters

Occupational exposure limit values

(R)-P-Mentha-1, 8-diene; CAS no:	5989-27-5
Limit value type (country of origin):	TRGS-900 (D)
Limit value:	20 ppm/ 110mg/m ³
Peak limitation:	2(II)
Remark:	Sh,Y
Version:	02-07-2009

8.2 Exposure controls

When using do not eat, drink, smoke, sniff. Wash hands after use.

Appropriate engineering controls

None

Personal protective equipment

Eye/face protection

None

Skin protection

Hand protection

None

Body protection

Overall

Respiratory protection

None

Environmental exposure controls

Observe local regulations

9 - Physical & Chemical Properties

9.1 Information of basic physical and chemical properties

Safety relevant basis data

Physical state:	liquid
Odour:	characteristic
Colour:	colourless
Boiling temperature/boiling range (1013 hPa):	100 °C
Flash point:	-6 °C
Lower explosion limit:	1 vol %
Upper explosion limit:	38 vol %
Vapour pressure (50°C):	1000 hPa
Density: (20°C):	0.76 g/cm ³
Water solubility (20°C):	insoluble
Viscosity (20°C):	0.5 mPa.s

9.2 Other information

None

10 - Stability & Reactivity

10.1 Reactivity

No information available

10.2 Chemical Stability

No information available

10.3 Possibility of hazardous reactions

No information available

10.4 Conditions to avoid

Take precautionary measures against static discharges. Keep away from sources of ignition. No smoking

10.5 Incompatible materials

Exothermic reaction with: oxidising agent. Strong acid. Strong alkali

10.6 Hazardous decomposition products

Decomposition with: Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x).

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11 - Toxicological Information

This mixture is classified as dangerous according to 1999/45/EC. This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP]. The classification was carried out to the calculation method of the Preparations Directive (1999/45/EC).

11.1 Information on toxicological effects

May cause an allergic skin reaction

Acute effects

Acute oral toxicity

Parameter: LD50 (Hexamethyldisiloxane; CAS No: 107-46-0)
Exposure route: Oral
Species: Rat
Effective dose: >5000mg/kg

Acute dermal toxicity

Parameter: LD50 (Hexamethyldisiloxane; CAS No: 107-46-0)
Exposure route: Dermal
Species: Rabbit
Effective dose: >2000mg/kg

Acute inhalation toxicity

Parameter: LC50 (Hexamethyldisiloxane; CAS No: 107-46-0)
Exposure route: Inhalation
Species: Rat
Effective dose: ca. 106 mg/l
Exposure time: 4 h

12 - Ecological Information

12.1 Toxicity

Aquatic toxicity

Chronic (long-term) daphnia toxicity

Parameter: NOEC (Hexamethyldisiloxane; CAS No: 107-46-0)
Species: Daphnia magna (big water flea)
Effective dose: 0.08 mg/l
Exposure time: 504 h

Acute (short-term) algae toxicity

Parameter: EC50 (Hexamethyldisiloxane; CAS No: 107-46-0)
Species: Daphnia magna (big water flea)
Effective dose: >0.37 mg/l
Exposure time: 48 h

Chronic (long-term) algae toxicity

Parameter: NOEC (Hexamethyldisiloxane; CAS No: 107-46-0)
Species: Cyprinus carpio (Common Carp)
Effective dose: >= 0.04 mg/l

12.2 Persistence and degradability

No information available

12.3 Bio-accumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII

12.6 Other adverse effects

Very toxic to aquatic life. The valuation was carried out according to the calculation method of the preparation directive.

12.7 Further ecological information

None

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13 - Disposal Considerations

13.1 Waste treatment methods

In accordance with local official regulations

14 - Transport Information

14.1 UN number

1993

14.2 UN proper shipping name

Land transport (ADR/RID)

Flammable liquid, N.O.S. (hexamethyldisiloxane)

Sea transport (IMDG)

Flammable liquid, N.O.S. (hexamethyldisiloxane)

Air transport (ICAO-TI/IATA-DGR)

Flammable liquid, N.O.S. (hexamethyldisiloxane)

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es):	3
Classification code:	F1
Hazard identification number (Kemier No):	33
Tunnel restriction code:	D/E
Special provisions:	640D. LQ 4
Hazard label(s):	3

Sea transport (IMDG)

Class(es):	3
EmS-No:	F-E/S-E
Special provisions:	LQ 1 I
Hazard label(s):	3

Air transport (ICAO-TI/IATA-DGR)

Class(es):	3
Hazard label(s):	3

14.4 Packing group

II

14.5 Environmental hazards

Sea transport (IMDG): No

14.6 Special precautions for user

None

15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Water hazard class (WGK)

Class: nwg (non-hazardous to water). Classification according to VwVwS

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out

16 - Other Information

16.1 Indication of changes

.02. Labelling according to Regulation (EC) No. 1272/2008 [CLP]. 02 Labelling (67/548/EEC or 1999/45/EC). 02. Labelling (67/548/EEC or 1999/45/EC). Hazardous components for labelling. 03. Substances. 03. Hazardous ingredients. 08. Occupational exposure limit values.

16.2 Abbreviations and acronyms

None

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16 - Other Information (Continued)

16.3 Key literature references and sources for data

None

16.5 Relevant R-, H- and EUH- phrases (Number and full text)

H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
10	Flammable
11	Highly flammable
22	Harmful if swallowed
38	Irritating to skin
43	May cause sensitization by skin contact
50	Very toxic to aquatic organisms
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

16.6 Training advice

None

16.7 Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. This data sheet shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.