

Safety Data Sheet



Skinister Medical Adhesive

Version: 1.1 / EN

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Trade Name: Skinister Medical Adhesive

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

Relevant identified uses

Adhesive. Recommended to temporarily attach appliances to the skin.

Uses advised against:

Not for internal use. Do not use near the eyes.

1.3 Details of the supplier of the safety data sheet:

Name Delta Molding LLC

Address 1233 East Beamer St, Ste G, Woodland, CA 95776

Information contact 1(888) 967-4273

E-Mail Info@Skinister.com

1.4 EMERGENCY TELEPHONE NUMBER: 1(888) 967-4273

SECTION 2: Hazards identification

2.1. GHS classification in accordance with 29 CFR 1910.1200

Flammable Liquids, Category 2

2.2 GHS label elements, including precautionary statements



Hazard Pictograms:

Signal Word:

Danger

Hazard Statements:

H225 Highly flammable liquid and vapour.

General Precautions:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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Prevention:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed
- P240 Ground/bond container and receiving equipment
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge
- P261 Avoid breathing spray.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/eye protection/face protection.

Response:

P370 + P378 In case of fire: use water, fog, foam, dry chemical or carbon dioxide to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other Hazards

Static-accumulating flammable liquid. Vapors may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

Substance / Mixture: Mixture

Chemical Nature: Silicone in solvent

Hazardous Ingredients

Chemical Name	CAS-No	Concentration (% w/w)
Hexamethyldisiloxane	107-46-0	>=65, <=90

Section 4: Description of first aid measures

Following inhalation Remove to fresh air. Get medical attention if symptoms occur.

Following skin contact Flush with water if irritation occurs.

Following eye contact Flush eyes with water. Get medical attention if irritation develops and persists.

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Following ingestion Rinse mouth with water. DO NOT induce vomiting. Get medical attention if symptoms occur.

Self-protection of the first aider: No special precautions are necessary.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol-resistant foam, carbon dioxide (CO₂), dry chemical

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

Do not use a solid water stream as it may scatter and spread fire.

Flash back possible over considerable distance.

Vapors may form explosive mixtures with air.

Exposure to combustion products may be a hazard to health.

Hazardous combustion products Carbon oxides, silicon oxides, formaldehyde

5.3 Advice for fire-fighters

Use extinguishing measures that are appropriate to local circumstances and surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

Ventilate the area.

Follow safe handling advice and personal protective equipment recommendations.

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6.2 Environmental precautions

Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g., by containment or oil barriers)
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapors/mists with a water spray jet. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent.

SECTION 7: Handling and storage

7.1 Technical Measures

Ensure all equipment is electrically grounded before beginning transfer operations. This material can accumulate static charge due to its inherent physical properties and can therefore cause an electrical ignition source to vapors. In order to prevent a fire hazard, as bonding and grounding may be insufficient to remove static electricity, it is necessary to provide an inert gas purge before beginning transfer operations. Restrict flow velocity in order to reduce the accumulation of static electricity.

7.2 Local/Total Ventilation

Use with local exhaust ventilation. Use only in an area equipped with explosion-proof exhaust ventilation if advised by assessment of the local exposure potential

7.3 Advice on Safe Handling

Avoid inhalation of vapor or mist. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Non-sparking tools should be used. Keep container tightly closed. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment.

7.4 Conditions for Safe Storage

Keep in properly labeled containers. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition.

7.5 Materials to Avoid

Do not store with the following product types: Strong oxidizing agents Organic peroxides
Flammable solids Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures
Substances and mixtures which in contact with water emit flammable gases Explosives Gases

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SECTION 8: Exposure controls/personal protection

8.1 Ingredients with workplace control parameters

Ingredients	CAS-No	Value type	Permissible concentration	Basis
Hexamethyldisiloxane	107-46-0	TWA	50 ppm	DCC OEL

8.2 Appropriate engineering controls: Processing may form hazardous compounds (see section 10). Minimize workplace exposure concentrations. Use only in an area equipped with explosion-proof exhaust ventilation if advised by assessment of the local exposure potential Use with local exhaust ventilation.

8.3 Personal protective equipment

Respiratory Protection: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection: Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Take note that the product is flammable, which may impact the selection of hand protection. Wash hands before breaks and at the end of workday.

Eye protection: Wear the following personal protective equipment: Safety glasses

Skin and body protection: Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Wear the following personal protective equipment: Flame retardant antistatic protective clothing, unless assessment demonstrates that the risk of explosive atmospheres or flash fires is low Skin contact must be avoided by using impervious

Hygiene measures: Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

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SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: Clear

Odour: None

	Value
pH	No data available
Melting point/freezing point	No data available
Initial boiling point/boiling range	100 deg C
Flash point	-1 deg C (Method: closed cup)
Evaporation rate	No data available
Flammability (solid, gas)	NA
Upper/lower flammability or explosive limits	No data available
Upper explosive limits	No data available
Lower explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	0.84
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, dynamic	50 cP
Viscosity, cinematic	No data available
Explosive properties	Not explosive
Oxidising properties	Not classified as oxidizing

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SECTION 10: Stability and reactivity

- 10.1 Reactivity:** Not classified as a reactivity hazard.
- 10.2 Chemical stability:** Stable under normal conditions.
- 10.3 Possibility of hazardous reactions:** Highly flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents. When heated to temperatures above 150 °C (300 °F) in the presence of air, product can form formaldehyde vapors. Safe handling conditions may be maintained by keeping vapor concentrations within the occupational exposure limit for formaldehyde. See OSHA formaldehyde standard, 29 CFR 1910.1048 Formaldehyde may cause cancer. It is also toxic by inhalation, skin absorption and ingestion, corrosive to skin and eyes, and may cause skin sensitization and respiratory irritation. Hazardous
- 10.4 Conditions to avoid:** Handling operations that can promote accumulation of static charges. Heat, flames and sparks.
- 10.5 Incompatible materials:** Oxidizing agents
- 10.6 Hazardous decomposition products:** Formaldehyde
-

SECTION 11: Toxicological information

11.1 Information on likely routes of exposure

Inhalation
Skin contact
Ingestion
Eye contact

11.2 Acute Toxicity not classified based on available information

Ingredients: Hexamethyldisiloxane:

Acute oral toxicity	LD50 (Rat): >16 ml/kg
Assessment:	The substance or mixture has no acute oral toxicity
Remarks:	On basis of test data.
Acute inhalation toxicity	LC50 (Rat): 15956 ppm
	Exposure time: 4 h
	Test atmosphere: vapor
	Assessment: The substance or mixture has no acute inhalation toxicity
	Remarks: On basis of test data.
Acute dermal toxicity	LD50 (Rat): > 2,000 mg/kg
	Assessment: The substance or mixture has no acute dermal toxicity
	Remarks: On basis of test data.

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11.3 Skin corrosion/irritation

Not classified based on available information.

Ingredients: Hexamethyldisiloxane:

Species: Rabbit

Result: No skin irritation

Remarks: On basis of test data.

11.4 Serious eye damage/eye irritation

Not classified based on available information.

Ingredients: Hexamethyldisiloxane:

Species: Rabbit

Result: No eye irritation

Remarks: On basis of test data.

11.5 Respiratory or skin sensitization

Not classified based on available information.

Ingredients: Hexamethyldisiloxane:

Assessment: Does not cause skin sensitization.

Test Type: Human repeat insult patch test (HRIPT)

Species: Humans

Result: negative

Remarks: On basis of test data.

11.6 Germ cell mutagenicity

Not classified based on available information.

Ingredients: Hexamethyldisiloxane:

Genotoxicity in vitro Test Type: Bacterial reverse mutation assay (AMES)

Result: negative

Remarks: On basis of test data.

Genotoxicity in vivo Test Type: Mutagenicity (in vivo mammalian bone-marrow
cytogenetic test, chromosomal analysis)

Species: Rat

Application Route: Intraperitoneal injection

Result: negative Remarks: On basis of test data.

Germ cell mutagenicity- Animal testing did not show any mutagenic effects.
Assessment

11.7 Carcinogenicity

Not classified based on available information.

Ingredients: Hexamethyldisiloxane

Species: Rat

Application Route: inhalation (vapor)

Result: negative

Remarks: On basis of test data.

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Carcinogenicity – Assessment:

Animal testing did not show any carcinogenic effects.

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

11.8 Reproductive toxicity

Not classified based on available information.

Ingredients: Hexamethyldisiloxane

Effects on fertility

Test Type: Two-generation reproduction toxicity study

Species: Rat, male and female

Application Route: inhalation (vapor)

Symptoms: No effects on fertility.

Effects on fetal development

Test Type: Two-generation reproduction toxicity study

Species: Rat, male and female

Application Route: inhalation (vapor)

Symptoms: No effects on fetal development.

Remarks: On basis of test data.

Reproductive toxicity –
fertility, Assessment

No evidence of adverse effects on sexual function and
or on development, based on animal experiments.

11.9 STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Ingredients: Hexamethyldisiloxane

Routes of exposure: Ingestion

Assessment: No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

Routes of exposure: inhalation (vapor)

Assessment: No significant health effects observed in animals at concentrations of 1 mg/l/6h/d or less.

Routes of exposure: Skin contact

Assessment: No significant health effects observed in animals at concentrations of 200 mg/kg bw or less.

11.10 Repeated dose toxicity

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Ingredients: Hexamethyldisiloxane

Species: Rat
Application Route: Ingestion
Remarks: On basis of test data.

Species: Rat
Application Route: inhalation (vapor)
Remarks: On basis of test data.

Species: Rat
Application Route: Skin contact
Remarks: On basis of test data.

11.11 Aspiration toxicity

Not classified based on available information.

11.12 Further information

Ingredients: Hexamethyldisiloxane

Remarks: This material contains hexamethyldisiloxane (HMDS). Repeated inhalation exposure in rats to HMDS resulted in protoporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the relevance of this finding to humans is unknown.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ingredients: Hexamethyldisiloxane

Toxicity to fish NOEC (Oncorhynchus mykiss (rainbow trout)): 0.37 mg/l
Exposure time: 96 h

LC50 (Oncorhynchus mykiss (rainbow trout)): 0.46 mg/l
Exposure time: 96 h
Remarks: On basis of test data.

Toxicity to algae EC50 (Selenastrum capricornutum (green algae)): > 0.55 mg/l
Remarks: No toxicity at the limit of solubility.
On basis of test data.

M-Factor 1
(Acute aquatic toxicity)

Toxicity to daphnia and NOEC (Daphnia): 0.32 mg/l
other aquatic invertebrates Exposure time: 21 d

(Chronic toxicity)

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NOEC (Daphnia magna (Water flea)): 0.1 mg/l

Exposure time: 21 d

Method: OECD Test Guideline 211

Remarks: On basis of test data.

12.2 Ecotoxicology Assessment

Chronic aquatic toxicity Toxic to aquatic life with long lasting effects.

12.3 Persistence and degradability

Ingredients: Hexamethyldisiloxane

Biodegradability Result: Not readily biodegradable.
Biodegradation: 20 %
Exposure time: 28 d
Method: OECD Test Guideline 301C

12.4 Bioaccumulative potential

Ingredients: Hexamethyldisiloxane

Bioaccumulation Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): 2,410
Concentration: 0.04 mg/l
Remarks: On basis of test data.

Partition coefficient: log Pow: 5.06 (20 °C)
noctanol/water Remarks: On basis of test data.

12.5 Mobility in soil

No data available

12.6 Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Disposal methods

Resource Conservation And Recovery Act (RCRA) Classified as a RCRA hazardous waste.

Waste Code D001: Ignitability

Waste from residues Dispose of in accordance with local regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other

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sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

14.1 International Regulations

UNRTDG

UN number	UN 1993
Proper shipping name	FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)
Class	3
Packing group	II
Labels	3

ATA-DGR

UN/ID No.	UN 1993
Proper shipping name	Flammable liquid, n.o.s. (Hexamethyldisiloxane)
Class	3
Packing group	II
Labels	Flammable Liquids
Packing instruction (cargo aircraft)	364
Packing instruction (passenger aircraft)	353

IMDG-Code

UN number	UN 1993
Proper shipping name	Flammable liquid, n.o.s. (Hexamethyldisiloxane)
Class	3
Packing group	II
Labels	3
EmS Code	F-E, S-E
Marine pollutant	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

14.2 Domestic regulation

49 CFR	
UN/ID/NA number	UN 1993
Proper shipping name	Flammable liquid, n.o.s. (Hexamethyldisiloxane)
Class	3
Packing group	II
Labels	FLAMMABLE LIQUID
ERG Code	128
Marine pollutant	yes (Hexamethyldisiloxane)

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SECTION 15. REGULATORY INFORMATION

15.1 EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Xylene	1330-20-7	100	*
Ethylbenzene	100-41-4	1000	*

**Calculated RQ exceeds reasonably attainable upper limit.*

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards

Flammable (gases, aerosols, liquids, or solids)
Hazard not otherwise classified (physical hazards)

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

15.2 US State Regulations

Pennsylvania Right To Know

Hexamethyldisiloxane

107-46-0

Trimethylated silica treated with dimethyl siloxane

68440-70-0

California Prop. 65

WARNING: This product can expose you to chemicals including Ethylbenzene, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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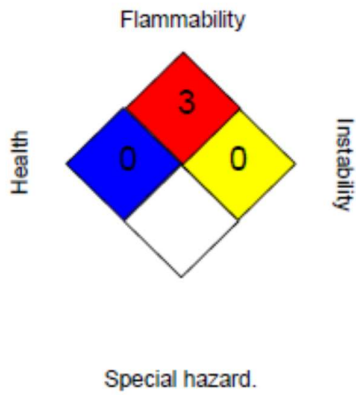
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SECTION 16. OTHER INFORMATION

NFPA:



HMIS® IV:

HEALTH	/	0
FLAMMABILITY		3
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.