

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Edge Adhesive

Revision date: 11.06.2019

Page 1 of 11

SECTION 1. IDENTIFICATION

Product name Edge Adhesive

Product code G604

Manufacturer or supplier's details

Company name of supplier Technovent Limited

Address 5 York Park
Bridgend Ind Est,
Bridgend, South Wales, UK
CF31 3TB

Telephone +44 (0) 1656 768566

Emergency telephone 24 Hour Emergency Telephone : +44 (0) 1656 768566

Recommended use of the chemical and restrictions on use

Recommended use Adhesive for leading edge of magnetically retained prostheses

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/ Mixture Substance

Substance name Dimethyl siloxane, trimethylsiloxy-terminated

GAS-No. 63148-62-9

Chemical nature Silicone

Hazardous ingredients

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

If inhaled If inhaled, remove to fresh air

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Edge Adhesive

Revision date: 11.06.2019

Page 2 of 11

	Get medical attention if symptoms occur.
In case of skin contact	Wash with water and soap as a precaution. Get medical attention if symptoms occur.
In case of eye contact	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	None known.
Protection of first-aiders	No special precautions are necessary for first aid responders.
Notes to physician	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray Alcohol-resistant foam Carbon dioxide (CO ₂) Dry chemical
Unsuitable extinguishing media	None known.
Specific hazards during fire fighting	Exposure to combustion products may be a hazard to health.
Hazardous combustion products	Carbon oxides Silicon oxides
Specific extinguishing methods	Formaldehyde
Special protective equipment for fire-fighters	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area. Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Edge Adhesive

Revision date: 11.06.2019

Page 3 of 11

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions,
protective equipment and
emergency procedures

Follow safe handling advice and personal protective
equipment recommendations

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Edge Adhesive

Revision date: 11.06.2019

Page 4 of 11

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.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material. 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. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SOS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	Use only with adequate ventilation.
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid	Do not store with the following product types: Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures

Processing may form hazardous compounds (see section 10).
Ensure adequate ventilation, especially in confined areas.
Minimize workplace exposure concentrations.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Edge Adhesive

Revision date: 11.06.2019

Page 5 of 11

Personal protective equipment

Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	
Remarks	Wash hands before breaks and at the end of workday.
Eye protection	Wear the following personal protective equipment: Safety glasses
Skin and body protection	Skin should be washed after contact.
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. For further information regarding the use of silicones/ organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these type of materials in consumer aerosol applications that has been developed by the silicone industry (www.SEHSC.com) or contact the Dow Corning customer service group.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	viscous liquid
Color	colorless
Odor	characteristic
Odor Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	> 65 °C
Flash point	321.11 °C Method: closed cup
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Self-ignition	The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Edge Adhesive

Revision date: 11.06.2019

Page 6 of 11

Upper explosion limit	No data available
Lower explosion limit	No data available
Vapor pressure	No data available
Relative vapor density	No data available
Relative density	0.97
Solubility(ies) Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity Viscosity , kinematic	60000 est
Explosive properties	Not explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing.
Molecular weight	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Not classified as a reactivity hazard .
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Can react with strong oxidizing agents . When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required. See OSHA formaldehyde standard , 29 CFR 1910.1048 Hazardous decomposition products will be formed at elevated temperatures .
Conditions to avoid	None known.
Incompatible materials	Oxidizing agents

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Edge Adhesive

Revision date: 11.06.2019

Page 7 of 11

Hazardous decomposition products

Thermal decomposition Formaldehyde

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	LD50 (Rat): > 15,400 mg/kg Assessment: The substance or mixture has no acute oral toxicity Remarks: Based on data from similar materials
Acute dermal toxicity	LD50 (Rabbit): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity Remarks: Based on data from similar materials

Skin corrosion/irritation

Not classified based on available information.

Product:

Species: Rabbit
Result: No skin irritation
Remarks: Based on data from similar materials

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Species: Rabbit
Result: No eye irritation
Remarks: Based on data from similar materials

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Product:

Assessment: Does not cause skin sensitization.

Test Type: Maximization Test

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Edge Adhesive

Revision date: 11.06.2019

Page 8 of 11

Species: Guinea pig
Remarks : Based on data from similar materials

Germ cell mutagenicity

Not classified based on available information.

Product:

Genotoxicity in vitro Test Type: Bacterial reverse mutation assay (AMES)
Result: negative
Remarks: Based on data from similar materials

Carcinogenicity

Not classified based on available information.

Product:

Species : Rat
Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

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 ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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 .

Reproductive toxicity

Not classified based on available information.

Product:

Effects on fertility Species : Rabbit, male
Application Route: Ingestion
Symptoms: No effects on fertility.
Remarks: Based on data from similar materials

Effects on fetal development Test Type: Prenatal development toxicity study (teratogenicity)
Species: Rabbit, female
Application Route: Skin contact
Symptoms : No effects on fetal development.
Remarks : Based on data from similar materials

Reproductive toxicity - Assessment No evidence of adverse effects on sexual function and fertility, or on development , based on animal experiments.

STOT-single exposure

Not classified based on available information.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Edge Adhesive

Revision date: 11.06.2019

Page 9 of 11

STOT-repeated exposure

Not classified based on available information.

Product:

Routes of exposure: Ingestion

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

Routes of exposure: Skin contact

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

Repeated dose toxicity

Product:

Species: Rat

Application Route: Ingestion

Remarks: On basis of test data.

Species: Rabbit

Application Route: Skin contact

Remarks: Based on data from similar materials

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration toxicity classification

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to daphnia and other aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 200 mg/l
Exposure time: 48 h

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Edge Adhesive

Revision date: 11.06.2019

Page 10 of 11

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Resource Conservation and Recovery Act (RCRA)	This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
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. If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied .

Domestic regulation

49CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

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

No SARA 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 111, Section 313.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Edge Adhesive

Revision date: 11.06.2019

Page 11 of 11

US State Regulations

Pennsylvania Right To Know

Dimethyl siloxane, trimethylsiloxy-terminated

63148-62-9

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

NZIoC	All ingredients listed or exempt.
REACH	All ingredients (pre-)registered or exempt.
TSCA	All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
PICCS	All ingredients listed or exempt.
KECI	All ingredients listed, exempt or notified.
AICS	All ingredients listed or exempt.
IECSC	All ingredients listed or exempt.
ENCS/ISHL	All components are listed on ENCS/ISHL or exempted from inventory listing.
DSL	All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).
TCSI	All ingredients listed or exempt.

