

Safety Data Sheet

According to Regulation (EC) No1907/2006

SILICONE-BASED ELASTOMER SkinTouch 3100-55A

Version 3.1

Issue date: 15/12/2020

Revision date:15/12/2020

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: SILICONE-BASED ELASTOMER SkinTouch V 3100-55A
Additional identification: Not available
Identification of the product: See section 3
Index Number: Not available
REACH registration No.: Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

A silicon-based thermoplastic elastomer with good mechanical properties, good chemical resistance, high elasticity and silky feel. It can be injection molded like thermoplastic, and it can be recycled and reused.

1.2.2 Uses advised against:

Not available

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): -
Supplier(Manufacturer): DONGGUAN CHENXI TECHNOLOGY CO.,LTD
Address: 209 WANHANG KEJIYUAN, DONGCHENG, DONGGUAN,CHINA
nick@chenvix.com
Contact person(E-mail): +86-13538464567
Telephone:
Fax:

1.4 Emergency telephone Number:

+86-13538464567 Only available during office hours (8:30a.m.-17:30p.m. Beijing Time Zone)

Available outside office hours? YES ☐ NO ☒

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
N/A	N/A

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms: No hazard pictogram is used.
Signal Word(S): No signal word is used.
Hazard Statement: Not applicable.

Precautionary statement:

Not applicable.

2.3 Other hazards:

Not available.

Section 3 Composition/information on ingredients

Substance/Mixture:

Mixture

Hazardous ingredients:

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Classifications
Octamethylcyclotetrasiloxane(D4)	01-21195 29238-36-0010	556-67-2	209-136-7	<0.1%	Repr.2;AquaticChronic4; H361, H413
Decamethylcyclopentasiloxane(D5)	N/A	541-02-6	208-764-9	<0.1%	Not Classified
Dodecamethylcyclohexasiloxane(D6)	N/A	540-97-6	208-762-8	<0.1%	Not Classified

The above substances are included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH).

For the full text of H-statements mentioned in this Section, see Section 16.

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

4.1.2 In case of skin contact:

Skin contact under normal conditions does not require aid measures. If burned by the melt, seek medical attention.

4.1.3 In case of eyes contact:

Flush eyes with water as a precaution

4.1.4 In case of ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed:

The product is not classified as harmful to human health effect.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Use water spray, foam, dry powder, carbon dioxide to extinguish fire.

Unsuitable extinguishing media:

Not available.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products or groups may be released: carbon oxides, Cyanide, nitrogen oxides, isocyanate.

5.3 Advice for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode, evacuate the crowd and isolate the source of fire.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Provide adequate ventilation. Refer to section 8 of SDS for personal protection details.

6.1.2 For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

6.2 Environmental Precautions: Do not allow material to be released to the environment without proper governmental permits.

6.3 Methods for Containment and Cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures: Provide adequate ventilation when processed. Normal measures for preventive fire protection.

7.1.2 Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a cool, dry and well-ventilated place.

7.3 Specific end use(s): Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not available.

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection: Handle with gloves.

Body protection: Wear protective clothing.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment.
According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Thermoplastic Pellet
Colour:	White-white off
Odour:	No
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	160-180°C
Boiling point/range (°C):	No
Flash point (°C):	No
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (38°C):	Not available
Vapour density:	Not available
Density:	1.17×10 ⁶ g/m ³
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Not available
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	No
Oxidising properties:	No
Molecular Formula:	Not available
Molecular Weight:	Not available

9.2. Other information:

Fat solubility(solvent– oil to be specified)	Not available
etc:	
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Particle size distribution:	3~5mm
Specific gravity:	1.17

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials.
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	Carbon oxides, Cyanide, nitrogen oxides, isocyanate.

Section 11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

Octamethylcyclotetrasiloxane (CAS#556-67-2)

Decamethylcyclopentasiloxane(CAS#541-02-6)

Dodecamethylcyclohexasiloxane(CAS#540-97-6)

LD50(Oral, Rat): > 4 800 mg/kg bw(male)

LD50(Dermal, Rat): >2500 ml/kg

LC50(Inhalation, Rat): 36 mg/L air 4h

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Section 12 Ecological information

12.1 Toxicity:Not available.

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil: Not available.

12.5 Results of PBT&vPvB assessment:

Octamethylcyclotetrasiloxane (CAS#556-67-2)

Decamethylcyclopentasiloxane(CAS#541-02-6)

Dodecamethylcyclohexasiloxane(CAS#540-97-6)

The above substances are identified as PBT&vPvB.

12.6 Other adverse effects: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No

Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of Marpol and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation information

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

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations: Not applicable

15.2 Chemical Safety Assessment has been carried out? YES

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NO

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Section 16 Other information

16.1 Indication of changes:

Version 3.1 Amended by (EU) 2015/830

16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Full text of abbreviations:

H361-Suspected of damaging fertility or the unborn child . H413-May cause long lasting harmful effects to aquatic life.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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