



ClearSil™ (FIRM)

Transparent Firm Silicone Rubber

Safety and Data Sheet

SECTION 1: Identification of the substance and the company

1.1 Product Identifier

Product name

ClearSil (Firm) - Transparent Firm Silicone Rubber

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

Product use

For making moulds of objects with a flat / large base such as coasters, trays, and jewellery pendants

1.3 Details of the supplier of the safety data sheet

Resin Play

37 Beach Road, #02-02

Singapore 189678

Phone: +65 8738 3404 (Mon, Wed-Sat | 10:30am-6:00pm)

Email: info@resinplay.sg

Website: www.resinplay.sg

1.4 Emergency telephone number

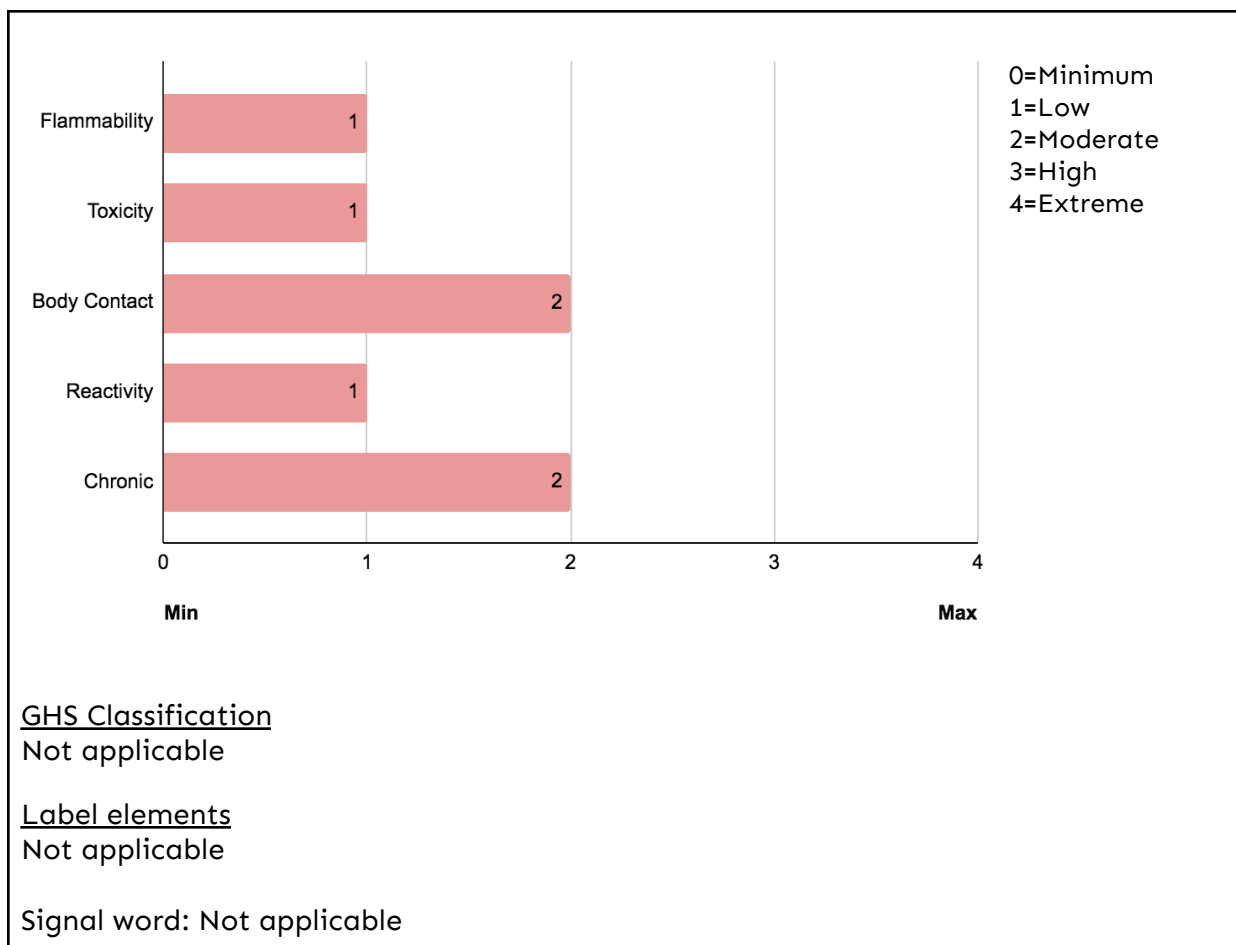
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SECTION 2: Hazards identification



SECTION 3: Composition/Information on ingredients

Ingredient Name	CAS No.	EC No.	%
Dimethicone	9006-65-9	203-492-7	11



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Silicon dioxide	112926-00-8	231-545-4	29
Dimethylpolysiloxane	63148-60-7	-	59
Silicic acid ethyl ester	11099-06-2	234-324-0	1

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact

If this product comes in contact with the eyes:

- Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from the eye and moving the eyelids by occasionally lifting the upper and lower lids.
- Seek medical attention without delay; if pain persists or recurs seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin contact

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in the event of irritation.

Inhalation

- If fumes, aerosols or combustion products are inhaled, remove from the contaminated area.
- Other measures are usually unnecessary.

Ingestion

- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons



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Information Centre or a doctor.

4.2 Advice for rescue team (PPE requirement for rescue personnel)

Slippery when spilled.

- Remove all ignition sources.
- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.

4.3 Notes to Physician

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

5.2 Fire fighting

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves in the event of a fire.
- Prevent, by any means available, spillage from entering drains or water courses.
- Use water delivered as a fine spray to control fire and cool adjacent areas.

5.3 Fire / Explosion hazard

- Combustible.
- Some of these gases are flammable, depending on environmental conditions, which may cause combustion of the resin / polymer.

5.4 Fire incompatibility

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result



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SECTION 6: Accidental release measures

6.1 Methods and material for containment and cleaning up

Minor spills:

Slippery when spilled.

- Remove all ignition sources.
- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.

Major Spills:

- Silicone fluids, even in small quantities, may present a slip hazard.
- It may be necessary to rope off the area and place warning signs around the perimeter.
- Clean up the area from the spill, with suitable absorbent, as soon as practically possible.
- Final cleaning may require use of steam, solvents or detergents.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.

7.2 Other information

- Store in original containers.
- Keep containers securely sealed.
- No smoking, naked lights or ignition sources.

Packaging materials

Recommended:

- Metal can or drum.



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- Packaging as recommended by the manufacturer.
Check all containers are clearly labelled and free from leaks.

Storage Incompatibility

Avoid reaction with oxidising agents.

Package Material Incompatibilities

Not available.

SECTION 8: Exposure controls/personal protection

8.1 Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

- Process controls which involve changing the way a job activity or process is done to reduce the risk.
- Enclosure and/or isolation of emission source which keeps a selected hazard physically away from the worker and ventilation that strategically adds and removes air in the work environment.

8.2 Personal protection



Eye and face protection

- Safety glasses with side shields
- Chemical goggles.
- Contact lenses may pose a special hazard; soft contact lenses may absorb



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and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.

Skin protection

See Hand protection below.

Hands / feet protection

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Suitability and durability of glove type is dependent on usage.

Body protection

See Other protection below.

Other protection

- Overalls.
- P.V.C. apron.
- Barrier cream.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: Transparent

Odour: Odourless

Melting Range (°C): Not available

Boiling Range (°C): Not available

Flash point (°C): >100.0°C (Closed cup)

Decomposition Temp (°C): Not available

Autoignition Temp (°C): Not available



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Upper Explosive Limit (%): Not available
Lower Explosive Limit (%): Not available
Volatile Component (% vol): Not available
Molecular Weight: Not available
Viscosity: 29,000 - 31,000 mPa.s
Solubility in water (g/L): Not soluble in water
pH (1% solution): N/A
pH (as supplied): Not available
Vapour Pressure (kPa): Not available
Specific Gravity (water=1): Not available
Relative Vapour Density (air=1): Not available
Evaporation Rate: Not available

SECTION 10: Stability and reactivity

10.1 Reactivity

See section 7

10.2 Chemical stability

- Unstable in the presence of incompatible materials.
- Product is considered stable.
- Hazardous polymerisation will not occur.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification

No data.

Primary irritant effect

On the skin



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No data.
On the eyes No data.
Inhaled No data.
Sensitization No data.

SECTION 12: Ecological information

12.1

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Dimethicone	No data available	No data available	Low	No data available
Silicon dioxide	High	Low	Low	High
Dimethylpoly siloxane	No data available	No data available	No data available	No data available
Silicic acid ethyl ester	Low	Medium	Low	High



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SECTION 13: Disposal considerations

13.1 Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

A Hierarchy of Controls seems to be common - the user should investigate:

- Reduction
- Reuse
- Recycling
- Disposal (if all else fails)

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use.

SECTION 14: Transport information

14.1 Labels required

Marine Pollutant: No

Not regulated for transport of dangerous goods: UN, IATA, IMDG

SECTION 15: Regulatory information

15.1 Regulations

The product needs to follow local regulations.



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SECTION 16: Other information

Notice

To the best of our knowledge, the information contained herein is accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information and to comply with all laws and procedures applicable to the safe handling and use of the product. Neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.