

MATERIAL SAFETY DATA SHEET

HERSCHELL 500-H PASTE

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

- 1.1 **Product name:** Herschell 500-H Paste
1.2 **Use:** High Temperature Silicone Paste
1.3 **Address:** Swift Industrial Supply Co (Tvl) (Pty) Ltd
P O Box 23, Germiston, 1400
1.4 **Service:** Swift Industrial Supply Co (Tvl) (Pty) Ltd
Tel no: 011 827-5935
1.5 **Emergency:** Swift Industrial Supply Co (Tvl) (Pty) Ltd
Tel no: 011 827-5935
1.6 **Health & Safety Info:** Swift Industrial Supply Co (Tvl) (Pty) Ltd
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2. COMPOSITION & INFORMATION IN INGREDIENTS

- 2.1 **Chemical characterisation:**
Inorganic compounds in mineral oil. (Preparation)
2.2 **Hazardous Ingredients**

Name	CAS No.	% (w/w)	Symbols & Health Risk Phrases
Silica (amorphous)	7631-86-9	<10	
Polydimethylsiloxane	63148-62-9		

3. HAZARD IDENTIFICATION

Not hazardous

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4. FIRST AID MEASURES

- 4.1 **Skin:** No first aid should be needed.
- 4.2 **Eyes:** Flush with water
- 4.3 **Inhalation:** No first aid should be needed.
- 4.4 **Ingestion:** No first aid should be needed.
- 4.5 **Other first aid information:** None known.

5. FIRE FIGHTING MEASURES

- 5.1 **Extinguishing media:** Carbon dioxide, foam, dry powder or fine water spray.
- 5.2 **Unsuitable extinguishing media:** None known.
- 5.3 **Unusual firefighting hazards:** None known.
- 5.4 **Special firefighting procedures:** Self-contained respirator should be worn and protective clothing.
- 5.5 **Other recommendations:** None known.
- 5.6 **Combustion products:** Silica, carbon dioxide and traces of incompletely burned carbon products. Formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions:** Avoid eye contact. Avoid prolonged or repeated skin contact.
- 6.2 **Precautions to protect the environment:** None established, do not allow large quantities to enter drains.
- 6.3 **Cleanup procedures:** Scrape up and place in a container fitted with a lid.

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7. HANDLING AND STORAGE.

- 7.1 **Handling precautions:** General ventilation is required. Avoid eye contact.
7.2 **Storage:** No special measures required.
7.3 **Unsuitable packaging materials:** None known.
7.4 **Incompatibilities:** None known.
8.1 **Exposure controls:** Refer to section 7
8.2 **Exposure controls for hazardous components:**

<u>Name</u>	<u>CAS No.</u>	<u>Exposure limits</u>
Silica (amorphous)	7631-86-9	6mg/m3 9TWA tot.inhab.dust).3mg/m3 (TWA, respirable dust)

Polydimethylsiloxane 63148-62-9

8.3 **Personal protective equipment.**

Respiratory: Respiratory protection is not normally required.

Hand: Gloves are not normally worn.

Eye: Safety glasses.

Skin: Protective equipment is not normally required.

Industrial Hygiene: Exercise good industrial hygiene practice Wash after handling, especially before eating, drinking or smoking.

8.4 **Other information.**

None known.

THE SWIFT INDUSTRIAL SUPPLY CO (TVL) (PTY) LTD

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance:

Form: Paste. **Colour:** white **Odour:** Very little

9.2 Safety related information

pH:		Not determined
Boiling point/boiling range:		-
Melting point/melting range:		Not determined
Flashpoint:		Not determined
Flammability (solid, gas):		Not determined.
Autoflammability:		Not determined.
Explosive Properties:		Not determined.
Oxidising properties:		Not determined.
Vapour pressure:		Not determined.
Specific gravity:	~1,10	
Solubility in water:		<0,10% w/w 10° C
Solubility in fat:		Not determined.
Oil /water partition coefficient:		Not determined
Other data:		
Vapour density (air =1):		-
Evaporation rate (ethyl ether =1)		Not determined.
Viscosity:		Not determined.
% Volatiles:		Not determined.
Molecular weight		Not determined.

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10. STABILITY AND REACTIVITY.

10.1 **Stability:** Stable.

10.2 **Reactivity:**

Conditions to avoid: None known

Materials to avoid: Can react with strong oxidising agents.

Hazardous decomposition products: Product may emit formaldehyde vapours at temperatures above 150°C in presence of air.

11. TOXICOLOGICAL INFORMATION

Possible Health Effects.

Skin: Repeated or prolonged contact may cause defatting of the skin, leading to dermatitis.

Eyes: May cause temporary discomfort.

Inhalation: No adverse effects are normally expected.

Oral: No adverse effects are normally expected.

Other health hazard information: The substance included in this product which in its dust or fume form presents an inhalation risk and is subject to an OEL. This is not relevant in 500-H Paste as in this form it is not respirable.

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12. ECOLOGICAL IMPACT

12.1 Elimination

Persistence: Not known

Degradeability: Material will degrade in the environment abiotically, by chemical and physical processes.

12.2 **Behavior in the aquatic compartment**

Mobility: Insoluble in water.

Bioaccumulation: Not known.

12.3 **Ecotoxicity**

Aquatic: Ecotoxic effects not known. Do not allow large quantities to enter drains or surface waters.

Terrestrial: Not known.

13. WASTE DISPOSAL

13.1 **Product disposal:**

Can be incinerated or land-filled in accordance with local regulations.

13.2 **Packaging disposal:**

Packaging should be disposed of in accordance with regional and/or national regulations.

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14. TRANSPORT INFORMATION

UNNO: Not applicable

Label: Not applicable

14.1 **Road & Rail Transport (ADR/RID)**

No special packaging or labelling requirements.

14.2 **Sea Transport (IMO)**

No special packaging or labelling requirements.

14.3 **Air Transport (ICAO)**

No special packaging or labelling requirements.

15. REGULATORY INFORMATION

15.1 **EEC Supply classification & labelling:**

Contains: NOT APPLICABLE.

No special packaging or labelling requirements.

15.2 **National legislation.**

For product information please contact the sales office at the above address.

15.3 **Other regulations.**

German waste number:

Not determined.

German water class:

1 - Slight risk of causing water pollution.

German Vbf:

Not applicable.

Ozone depleting chemicals:

No ozone depleting chemicals are present or used in manufacture.

EINECS/ELINCS:

All ingredients listed or exempt.

TSCA:

All ingredients listed or exempt

MITI:

Not determined

DSL:

All ingredients listed or exempt

AICS:

All ingredients listed or exempt

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16. OTHER INFORMATION

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product.

All information and instructions provided in this Safety Data Sheet are based on the current state scientific and technical knowledge at the date indicated. The Swift Industrial Supply Co (Tvl) (Pty) Ltd shall not be held responsible for any defect in the product covered by this SDS should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

