



SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture	Sil-Pad Products
Registration number	-
Synonyms	Sil-Pad * SP
Product code	Sil-Pad 400, 600, 700, 800, 900S, 950, 980, 1000, 1000L, 1000ST, 1200, 1500, 1500ST, 1750, 1950, 2000, 9516, A1500, A2000, K4, K6, K10, With/without Polyimide, With/without fiberglass, With/without Adhesives AC, AAC, AC2, ACA, EAAC, TAC, TAAC, ACL
Issue date	01-July-2014
Version number	04
Revision date	24-April-2017
Supersedes date	09-October-2015

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

Identified uses	Thermally Conductive and Electrical Insulating Silicone Pad.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier	The Bergquist Company
Address:	18930 West 78th Street Chanhassen, MN. 55317
Non-Emergency calls:	1-800-347-4572
Contact person:	AEHMSDS@henkel.com

1.4. Emergency telephone number

Chemical Emergency	
Call CHEMTREC Day or Night	
Within USA and Canada:	1-800-424-9300
Outside USA and Canada:	+1 703-527-3887 (Collect Calls Accepted)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary	Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.
----------------	--

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms	None.
Signal word	Not applicable.
Hazard statements	Not applicable.

Precautionary statements

Prevention	Observe good industrial hygiene practices.
Response	Wash thoroughly after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Supplemental label information	This product is not hazardous according to Regulation (EC) No 1272/2008 as amended, therefore a hazard label does not apply.
--------------------------------	--

2.3. Other hazards	Not a PBT or vPvB substance or mixture.
--------------------	---

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Cobalt chromite blue green spinel	5 - 10	68187-11-1 269-072-0	-	-	#
Classification:	-				
Polyalkyl siloxane	5 - 10	63148-62-9	-	-	
Classification:	Eye Irrit. 2;H319				

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information Get medical attention if any discomfort develops.

4.1. Description of first aid measures

Inhalation Move to fresh air. Get medical attention if symptoms occur.
Skin contact Wash skin with soap and water. Get medical attention if irritation persists after washing.
Eye contact Flush thoroughly with water. If irritation occurs, get medical assistance.
Ingestion Rinse mouth thoroughly. Get medical attention if any discomfort occurs.

4.2. Most important symptoms and effects, both acute and delayed Under normal conditions of intended use, this material does not pose a risk to health.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards This product is not flammable.

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture None.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.
Special fire fighting procedures Move containers from fire area if you can do so without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Avoid contact with skin and eyes. For personal protection, see section 8 of the SDS.
For emergency responders Keep unnecessary personnel away.

6.2. Environmental precautions Environmental manager must be informed of all major spillages.

6.3. Methods and material for containment and cleaning up Sweep up or gather material and place in appropriate container for disposal.

6.4. Reference to other sections For personal protection, see Section 8 of the SDS.
For waste disposal, see Section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Provide adequate ventilation. Avoid inhalation of dust and contact with skin and eyes. Observe good industrial hygiene practices. Wear appropriate personal protective equipment (See Section 8).

7.2. Conditions for safe storage, including any incompatibilities Store in closed original container in a dry place. Store away from incompatible materials.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limits****Austria. MAK List**

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	MAK	5 mg/m3	Respirable fraction.
		5 mg/m3	Respirable fume.
	10 mg/m3	Inhalable fraction.	
	STEL	20 mg/m3	Inhalable fraction.
		10 mg/m3	Respirable fume.
Cobalt chromite blue green spinel (CAS 68187-11-1)	MAK	10 mg/m3	Respirable fraction.
		2 mg/m3	
Iron oxide (CAS 1309-37-1)	MAK	5 mg/m3	Respirable fraction.
	STEL	10 mg/m3	Inhalable fraction.
		20 mg/m3	Inhalable fraction.
		10 mg/m3	Respirable fraction.

Austria. TRK List

Components	Type	Value	Form
Cobalt chromite blue green spinel (CAS 68187-11-1)	STEL	0,4 mg/m3	Inhalable fraction.
	TWA	0,1 mg/m3	Inhalable fraction.

Belgium. Exposure Limit Values.

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
Barium sulphate (CAS 7727-43-7)	TWA	10 mg/m3	
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m3	Respirable fraction.

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	3,5 mg/m3	Respirable fraction.
		10 mg/m3	Dust.
		1,5 mg/m3	Respirable fraction.
Barium sulphate (CAS 7727-43-7)	TWA	10 mg/m3	
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	0,1 mg/m3	
Iron oxide (CAS 1309-37-1)	TWA	6 mg/m3	Inhalable fraction.
		5 mg/m3	

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	MAC	4 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Barium sulphate (CAS 7727-43-7)	MAC	4 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Cobalt chromite blue green spinel (CAS 68187-11-1)	MAC	0,1 mg/m3	
Iron oxide (CAS 1309-37-1)	MAC	5 mg/m3	Fume.
		4 mg/m3	Respirable dust.
	STEL	10 mg/m3	Total dust.
		10 mg/m3	Fume.

Czech Republic. OELs. Government Decree 361

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	0,1 mg/m3	Respirable dust.
Barium sulphate (CAS 7727-43-7)	TWA	5 mg/m3	Dust.
Cobalt chromite blue green spinel (CAS 68187-11-1)	Ceiling	0,1 mg/m3	
	TWA	0,05 mg/m3	

Denmark. Exposure Limit Values

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TLV	5 mg/m3	Total
		2 mg/m3	Respirable.
Cobalt chromite blue green spinel (CAS 68187-11-1)	TLV	0,01 mg/m3	
Iron oxide (CAS 1309-37-1)	TLV	3,5 mg/m3	

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Barium sulphate (CAS 7727-43-7)	TWA	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	1 mg/m3	Dust.
		0,05 mg/m3	
Iron oxide (CAS 1309-37-1)	TWA	3,5 mg/m3	Respirable dust.

Finland. Workplace Exposure Limits

Components	Type	Value	Form
Barium sulphate (CAS 7727-43-7)	TWA	10 mg/m3	Dust.
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	0,02 mg/m3	
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m3	Fume.

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	VME	10 mg/m3	
Barium sulphate (CAS 7727-43-7)	VME	5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Cobalt chromite blue green spinel (CAS 68187-11-1)	VME	2 mg/m3	
Iron oxide (CAS 1309-37-1)	VME	5 mg/m3	Fume.

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	4 mg/m3	Inhalable fraction.
		1,5 mg/m3	Respirable fraction.
Barium sulphate (CAS 7727-43-7)	TWA	4 mg/m3	Inhalable fraction.
		0,3 mg/m3	Respirable fraction.
Iron oxide (CAS 1309-37-1)	TWA	4 mg/m3	Inhalable dust.
		0,3 mg/m3	Respirable dust.

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	AGW	10 mg/m ³	Inhalable fraction.
Barium sulphate (CAS 7727-43-7)	AGW	1,25 mg/m ³	Respirable fraction.
		10 mg/m ³	Inhalable fraction.
Cobalt chromite blue green spinel (CAS 68187-11-1)	AGW	1,25 mg/m ³	Respirable fraction.
Iron oxide (CAS 1309-37-1)	AGW	2 mg/m ³	Inhalable fraction.
		10 mg/m ³	Inhalable fraction.
		1,25 mg/m ³	Respirable fraction.

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	5 mg/m ³	Inhalable
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	10 mg/m ³	Respirable.
		0,1 mg/m ³	
Iron oxide (CAS 1309-37-1)	STEL	10 mg/m ³	
	TWA	10 mg/m ³	

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	6 mg/m ³	Respirable.
Barium sulphate (CAS 7727-43-7)	TWA	6 mg/m ³	Respirable dust.
		10 mg/m ³	Total inhalable dust.
Cobalt chromite blue green spinel (CAS 68187-11-1)	STEL	0,4 mg/m ³	
	TWA	0,1 mg/m ³	
Iron oxide (CAS 1309-37-1)	TWA	6 mg/m ³	Respirable.

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	10 mg/m ³	
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	0,02 mg/m ³	Dust and fume.
Iron oxide (CAS 1309-37-1)	TWA	3,5 mg/m ³	Respirable dust.

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	4 mg/m ³	Respirable dust.
Barium sulphate (CAS 7727-43-7)	TWA	10 mg/m ³	Total inhalable dust.
		2 mg/m ³	Respirable dust.
Iron oxide (CAS 1309-37-1)	STEL	10 mg/m ³	Fume.
		5 mg/m ³	Fume.
		4 mg/m ³	Respirable dust.
		10 mg/m ³	Total inhalable dust.

Italy. OELs

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	1 mg/m ³	Respirable fraction.
Barium sulphate (CAS 7727-43-7)	TWA	5 mg/m ³	Inhalable fraction.
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	0,02 mg/m ³	
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m ³	Respirable fraction.

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	6 mg/m3	Decomposition aerosol.
Barium sulphate (CAS 7727-43-7)	TWA	4 mg/m3	Dust.
		2 mg/m3	
Boron nitride (CAS 10043-11-5)	TWA	6 mg/m3	
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	2 mg/m3	
Iron oxide (CAS 1309-37-1)	TWA	2 mg/m3	Dust.
		2 mg/m3	

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements (Hygiene Norm HN 23:2007)

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	5 mg/m3	Inhalable fraction.
Barium sulphate (CAS 7727-43-7)	TWA	2 mg/m3	Respirable fraction.
		5 mg/m3	Respirable fraction.
Boron nitride (CAS 10043-11-5)	TWA	10 mg/m3	Inhalable fraction.
		1 mg/m3	Dust.
Boron nitride (CAS 10043-11-5)	TWA	6 mg/m3	
Iron oxide (CAS 1309-37-1)	TWA	3,5 mg/m3	Respirable fraction.

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A

Components	Type	Value
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	2 mg/m3

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	2 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TLV	10 mg/m3	
Barium sulphate (CAS 7727-43-7)	TLV	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Cobalt chromite blue green spinel (CAS 68187-11-1)	TLV	0,5 mg/m3	
Iron oxide (CAS 1309-37-1)	TLV	3 mg/m3	

Poland. MACs. Regulation regarding maximum permissible concentrations and intensities of harmful factors in the work environment, Annex 1

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	2,5 mg/m3	Inhalable fraction.
Barium sulphate (CAS 7727-43-7)	TWA	1,2 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	1 mg/m3	Respirable fraction.
		0,02 mg/m3	
Iron oxide (CAS 1309-37-1)	STEL	10 mg/m3	Respirable fraction.
	TWA	5 mg/m3	Respirable fraction.

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

Components	Type	Value
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	2 mg/m3

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	10 mg/m3	
Barium sulphate (CAS 7727-43-7)	TWA	10 mg/m3	
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	0,02 mg/m3	
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m3	Respirable fraction.

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	STEL	5 mg/m3	Aerosol
	TWA	2 mg/m3	Aerosol
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	0,5 mg/m3	
Iron oxide (CAS 1309-37-1)	STEL	10 mg/m3	Dust and fume.
	TWA	5 mg/m3	Dust and fume.
Polyalkyl siloxane (CAS 63148-62-9)	STEL	300 mg/m3	
	TWA	200 mg/m3	

Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	4 mg/m3	Inhalable fraction.
		1,5 mg/m3	Respirable fraction.
		0,1 mg/m3	
Barium sulphate (CAS 7727-43-7)	TWA	4 mg/m3	Inhalable fraction.
		1,5 mg/m3	Respirable fraction.
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	0,05 mg/m3	
Iron oxide (CAS 1309-37-1)	TWA	4 mg/m3	Inhalable fume.
		1,5 mg/m3	Respirable fume.

Spain. Occupational Exposure Limits

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	10 mg/m3	
Barium sulphate (CAS 7727-43-7)	TWA	10 mg/m3	
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	0,02 mg/m3	
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m3	Dust and fume.

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	5 mg/m3	Total dust.
		2 mg/m3	Respirable dust.
Barium sulphate (CAS 7727-43-7)	TWA	5 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	0,02 mg/m3	Inhalable dust.
Iron oxide (CAS 1309-37-1)	TWA	3,5 mg/m3	Respirable dust.

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	STEL	24 mg/m3	Fume and respirable dust.
	TWA	3 mg/m3	Respirable dust.
Barium sulphate (CAS 7727-43-7)	TWA	3 mg/m3	Fume and respirable dust.
		3 mg/m3	Respirable dust.
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	10 mg/m3	Inhalable dust.
		0,05 mg/m3	Dust/aerosol, inhalable.
Iron oxide (CAS 1309-37-1)	TWA	3 mg/m3	Respirable dust.

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
Barium sulphate (CAS 7727-43-7)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	0,1 mg/m3	Inhalable dust.
		10 mg/m3	Fume.
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m3	Fume.
		4 mg/m3	Respirable.
		10 mg/m3	Inhalable

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Cobalt chromite blue green spinel (CAS 68187-11-1)	TWA	2 mg/m3

Biological limit values**France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065))**

Components	Value	Determinant	Specimen	Sampling time
Cobalt chromite blue green spinel (CAS 68187-11-1)	15 µg/l	Cobalt	Urine	*
	1 µg/l	Cobalt	Blood	*

* - For sampling details, please see the source document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4

Components	Value	Determinant	Specimen	Sampling time
Cobalt chromite blue green spinel (CAS 68187-11-1)	15 µg/l	Cobalto	Urine	*
	1 µg/l	Cobalto	Blood	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines Follow standard monitoring procedures.

8.2. Exposure controls

Appropriate engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Risk of contact: Wear approved safety goggles.

Skin protection	
- Hand protection	Use suitable protective gloves if risk of skin contact. Suitable gloves can be recommended by the glove supplier.
- Other	If prolonged or repeated contact is likely, chemical resistant clothing is recommended.
Respiratory protection	In case of inadequate ventilation, use respiratory protection.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned.
Environmental exposure controls	Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Solid.
Form	Solid.
Colour	Various.
Odour	Slight.
Odour threshold	Not relevant.
pH	Not relevant.
Melting point/freezing point	Not relevant.
Initial boiling point and boiling range	Not relevant.
Flash point	Not relevant.
Evaporation rate	Not relevant.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not relevant.
Flammability limit - upper (%)	Not relevant.
Explosive limit - lower (%)	Not relevant.
Explosive limit - upper (%)	Not relevant.
Vapour pressure	Not relevant.
Vapour density	Not relevant.
Solubility(ies)	Insoluble (<0,1%)
Partition coefficient (n-octanol/water)	Not relevant.
Auto-ignition temperature	Not relevant.
Decomposition temperature	Not relevant.
Viscosity	Not relevant.
Explosive properties	Not relevant.
Oxidising properties	Not relevant.

9.2. Other information

Bulk density	Not available.
Density	1,50 - 3,20 (25 °C)
VOC	Not relevant.

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.

10.6. Hazardous decomposition products None.

SECTION 11: Toxicological information

General information Under normal conditions of intended use, this material does not pose a risk to health.

Information on likely routes of exposure

Inhalation Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the mucous membranes and respiratory tract.

Skin contact Prolonged skin contact may cause temporary irritation.

Eye contact May cause eye irritation on direct contact.

Ingestion Ingestion may cause irritation and malaise.

Symptoms Under normal conditions of intended use, this material does not pose a risk to health.

11.1. Information on toxicological effects

Acute toxicity Under normal conditions of intended use, this material does not pose a risk to health.

Components	Species	Test results
------------	---------	--------------

Polyalkyl siloxane (CAS 63148-62-9)

Acute

Dermal

LD50	Rabbit	> 5000 mg/kg
------	--------	--------------

Oral

LD50	Rat	> 17000 mg/kg
------	-----	---------------

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory sensitisation Based on available data, the classification criteria are not met.

Skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity

Cobalt chromite blue green spinel (CAS 68187-11-1) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

Mixture versus substance information None known.

Other information None known.

SECTION 12: Ecological information

12.1. Toxicity The product is not classified as environmentally hazardous.

12.2. Persistence and degradability No data available.

12.3. Bioaccumulative potential No data available.

Partition coefficient n-octanol/water (log Kow) Not relevant.

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil The product is insoluble in water.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.
Contaminated packaging	Since emptied containers retain product residue, follow label warnings even after container is emptied.
EU waste code	07 02 17 The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code This substance/mixture is not intended to be transported in bulk.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended and respective national laws implementing EC directives. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

TWA : time weighed average.
LD50: Lethal Dose, 50%.
PBT: Persistent, bioaccumulative, toxic.
vPvB: very Persistent, very Bioaccumulative.

References

IARC Monographs. Overall Evaluation of Carcinogenicity
EPA: AQUIRE database
NLM: Hazardous Substances Data Base

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H319 Causes serious eye irritation.

Training information

Follow training instructions when handling this material.

Disclaimer

The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.