

This safety data sheet was created pursuant to the requirements of:
GHS: The Globally Harmonized System of Classification and Labeling of Chemicals

INDUSTRIAL GRADE SILICONE GREY
Revision Number 1

Revision date 07-Jan-2021
Supersedes Date: 07-Jan-2021

1. Identification

Product identifier

Product Name INDUSTRIAL GRADE SILICONE GREY
Pure substance/mixture Mixture

Details of the supplier of the safety data sheet

Responsible Party

Bostik New Zealand Limited
19 Eastern Hutt Road Wingate,
Lower Hutt, New Zealand
Tel: 04-567 5119
Fax: 04-567 5412

E-mail address SDS.AP@Bostik.com

Emergency telephone number

Emergency Telephone 24 Hr: 0800 243 622
+64 4 917 9888
Poison Centre : 0800 764 766

Recommended use of the chemical and restrictions on use

Recommended use Sealant
Restrictions on use No information available

2. Hazard(s) identification

Classification of the substance or mixture

Carcinogenicity	Category 2 (6.7B)
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Label elements



Signal word Warning

Hazard statements

H351 - Suspected of causing cancer

Prevention

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response

P308 + P313 - IF exposed or concerned: Get medical advice/attention

Storage

P405 - Store locked up

Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

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Other hazards

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.
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3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No	Weight-%
2-Butanone, O,O',O''-(methylsilylydyne)trioxime	22984-54-9	5 - <10
N-(3-(trimethoxysilyl)propyl)ethylenediamine	1760-24-3	1 - <3
2-Butanone, oxime	96-29-7	1 - <3
Toluene	108-88-3	0.1- <1

*** Any remaining ingredients are not hazardous

4. First-aid measures

Description of necessary first aid measures

General advice IF exposed or concerned: Get medical advice/attention.
Inhalation Remove to fresh air.
Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact Wash skin with soap and water.
Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed No information available.

For emergency responders No information available.

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical No information available.

Hazardous combustion products Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Silicon oxides.

Special protective actions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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Personal precautions	Ensure adequate ventilation.
Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.
Environmental precautions	See Section 12 for additional Ecological Information.
Methods and material for containment and cleaning up	Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.
Precautions to prevent secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. See Section 8 for information on appropriate personal protective equipment.
Conditions for safe storage, including any incompatibilities	Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection

Occupational exposure limits

. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

Chemical name	New Zealand	Australia	European Union
Toluene 108-88-3	TWA: 50 ppm TWA: 188 mg/m ³ Skin	50 ppm TWA 191 mg/m ³ TWA 150 ppm STEL 574 mg/m ³ STEL	TWA: 50 ppm TWA: 192 mg/m ³ *

Chemical name	ACGIH TLV	NIOSH	OSHA PEL
Toluene 108-88-3	TWA: 20 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves. Recommended Use: Neoprene™. Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.
Skin and body protection	None under normal use conditions.

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Respiratory protection In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation, especially in confined areas.

Recommended filter type: Organic gases and vapors filter conforming to EN 14387. White. Brown.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance Very viscous Paste
Color Gray
Physical state Paste / Gel Liquid
Odor Organic
Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not applicable .	
Melting point / freezing point	No data available	
Boiling point / boiling range	No data available	
Flash point	No data available	
Evaporation rate	No data available	
Flammability (solid, gas)	Not applicable for liquids .	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	
Relative vapor density	No data available	
Relative density	No data available	
Water solubility	Insoluble in water	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	150000 - 250000 mPa s	@ 23 °C

Additional information

Oxidizing properties No information available
Solid content (%) No information available
VOC Content (%) 33 g/L
Density No information available

10. Stability and reactivity

Stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Conditions to avoid None known based on information supplied.

Incompatible materials None known based on information supplied.

Hazardous decomposition products Methyl alcohol. May emit toxic fumes under fire conditions. Carbon oxides. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

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11. Toxicological information

Product Information

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

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

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

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

Acute Toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (dermal) 55,000.00 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-Butanone, O,O',O''-(methylsilylidyne)trioxime	LD50 = 2463 mg/Kg (Rattus) (OECD 401)	LD50 >2000 mg/Kg (Rattus) (OECD 402)	-
N-(3-(trimethoxysilyl)propyl)ethylenediamine	=2295 mg/kg (Rattus)	>2000 mg/Kg (Rattus)	LC50 4H (Aerosol) 1.5 - 2.44 mg/L air
2-Butanone, oxime	=930 mg/kg (Rattus)	1000 - 1800 mg/kg (Oryctolagus cuniculus)	>4.83 mg/L (Rattus) 4 h
Toluene	=5580 mg/kg (Rattus)	= 12000 mg/kg (Oryctolagus cuniculus)	>20 mg/L (Rattus) 4 h

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Component Information			
N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	sensitizing

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

Carcinogenicity Classification based on data available for ingredients.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	China	IARC
Toluene	-	Group 3

Legend

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

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

Component Information		
Toluene (108-88-3)		
Method	Species	Results
OECD 407	in vivo	Reproductive toxicant

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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.

12. Ecological information

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
2-Butanone, O,O',O''-(methylsilylidyne)trioxime	EC50 (72h) = 94 mg/L (Pseudokirchneriella subcapitata) OECD 201	EC50 (96h) >120 mg/L (Oncorhynchus mykiss) Freshwater static (OECD guideline 203)	EC50 (48h) > 120 mg/L (Daphnia magna) OECD 202
N-(3-(trimethoxysilyl)propyl)ethylenediamine	-	LC50 (96H) =597 mg/L (Danio rerio) Semi-static	EC50 (48h) =81mg/L Daphnia magna Static
2-Butanone, oxime	EC50: =83mg/L (72h, Desmodesmus subspicatus)	LC50: =760mg/L (96h, Poecilia reticulata) LC50: 777 - 914mg/L (96h, Pimephales promelas) LC50: 320 - 1000mg/L (96h, Leuciscus idus)	EC50: =750mg/L (48h, Daphnia magna)
Toluene	EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static)	EC50: =11.5mg/L (48h, Daphnia magna) EC50: 5.46 - 9.83mg/L (48h, Daphnia magna)

Persistence and degradability Not readily biodegradable. Product cures with moisture.

Bioaccumulative potential There is no data for this product.

Component Information

Chemical name	Partition coefficient
2-Butanone, O,O',O''-(methylsilylidyne)trioxime	1.69
N-(3-(trimethoxysilyl)propyl)ethylenediamine	-0.3
2-Butanone, oxime	0.65
Toluene	2.7

Chemical name	PBT and vPvB assessment
2-Butanone, O,O',O''-(methylsilylidyne)trioxime 22984-54-9	The substance is not PBT / vPvB
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	The substance is not PBT / vPvB
2-Butanone, oxime 96-29-7	The substance is not PBT / vPvB
Toluene 108-88-3	The substance is not PBT / vPvB PBT assessment does not apply

Mobility in soil No information available.
Insoluble in water.

13. Disposal considerations

Waste chemicals Dispose of in accordance with local regulations. Dispose of waste in accordance with

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environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

IMDG Not regulated

IATA Not regulated

ADR Not regulated

Special precautions for user

Please refer to the applicable dangerous goods regulations for additional information

15. Regulatory information

National regulations

ERMA Group HSR002679

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. Other information

Abbreviations and acronyms

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure

Prepared By Product Safety & Regulatory Affairs
Revision date 07-Jan-2021
Revision note The symbol (*) in the margin of this SDS indicates that this line has been revised.

Key literature references and sources for data used to compile the SDS

New Zealand's Chemical Classification and Information Database (CCID)
World Health Organization

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in

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combination with any other materials or in any process, unless specified in the text
End of Safety Data Sheet