

RTV133 - black

SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

GHS Product identifier: RTV133 - black

Recommended use of the chemical and restrictions on use

Recommended use: Sealant

Recommended restrictions: For industrial use only.

Supplier's details

Manufacturer : Momentive Performance Materials LLC
260 Hudson River Road
Waterford NY 12188

Distributor Information : DC Products Pty Limited
Unit 117/45 Gilby Road
Mount Waverley 3149
Australia

Contact person : viren.kumar@dcproducts.com.au

Telephone : +613 9558 8898

Emergency telephone number : +61 418 529 118

2. Hazard(s) identification

GHS classification of substance or mixture, and national or regional information:
Not classified

GHS label elements

Hazard symbol(s): No symbol

Signal Word: none

Hazard Statement(s): Not applicable

Precautionary statement(s):

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

Other hazards which do not result in GHS classification: None.

3. Composition/information on ingredients

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Mixtures

Chemical Identity	CAS number	Concentration*
QUARTZ	14808-60-7	10 - 30%
Vinyltrimethoxysilane	2768-02-7	1 - 10%
Titanium, Bis(ethyl acetoacetato)-diispropoxy	27858-32-8	1 - 10%
Carbon Black	1333-86-4	0,1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

(1) The respirable particle(s) listed above are inextricably bound within the polymer matrix, and therefore does not present an inhalation hazard during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

4. First-aid measures

Description of necessary first-aid measures

Inhalation: If inhaled, move victim to fresh air and seek medical attention.

Skin Contact: After contact with skin, remove product mechanically. Wash area with soap and water. Get medical attention.

Eye contact: Rinse the eye with water immediately. If eye irritation persists: Get medical advice/attention.

Ingestion: No data available.

Symptoms caused by exposure

Symptoms: Treatment is symptomatic and supportive.

Hazards: No data available.

Medical attention and special treatment

Treatment: Not relevant.

5. Fire-fighting measures

General Fire Hazards: Use standard firefighting procedures and consider the hazards of other involved materials. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

Means of fire extinguishing

Suitable extinguishing media: All standard extinguishing agents are suitable.

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Unsuitable extinguishing media:

Avoid water in straight hose stream; will scatter and spread fire.

Specific hazards arising from the chemical:

In case of fire, carbon monoxide and carbon dioxide may be formed. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. Reacts with water liberating small amounts of methanol. This material is reactive with water, but the reaction will not significantly increase the fire severity.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:

Move container from fire area if it can be done without risk. Cool fire-endangered containers with water.

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective clothing.

Hazchem Code:

No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Provide adequate ventilation. Use personal protective equipment.

Environmental Precautions: Methods and material for containment and cleaning up:

Do not allow runoff to sewer, waterway or ground. Wipe, scrape or soak up in an inert material and put in a container for disposal. Wear proper protective equipment as specified in the protective equipment section.

7. Handling and storage

Precautions for safe handling:

Keep away from sources of ignition - No smoking.

Conditions for safe storage, including any incompatibilities:

Store in the low moisture, dark, cool place below 27°C Keep container closed.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
QUARTZ	TWA	0,1 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	0,1 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	0,1 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

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Carbon Black	TWA
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3 mg/m³

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

This product contains one or more substances with an occupational exposure limit. However, the respirable particle(s) of this/these substance(s) are inextricably bound within the polymer matrix. Therefore, we do not expect an exposure to this/these substance(s) during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

Biological Limit Values

None of the components have assigned exposure limits.

Appropriate Engineering Controls:

Eye wash facilities and emergency shower must be available when handling this product. Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

Individual protection measures, such as personal protective equipment

- General information:** Wear suitable gloves and eye/face protection.
- Eye/face protection:** Safety glasses with side shields
- Skin Protection**
 - Hand Protection:** Chemical resistant gloves
 - Other:** Wear suitable protective clothing and eye/face protection.
- Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment. Gas mask with organic vapor canister and dust and mist filter.
- Hygiene measures:** Provide adequate ventilation. Observe good industrial hygiene practices. Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat, drink or smoke.

9. Physical and chemical properties

Appearance

- Physical state:** solid
- Form:** Paste
- Color:** Black
- Odor:** Sweet
- Odor threshold:** No data available.
- pH:** No data available.
- Melting point/freezing point:** No data available.
- Initial boiling point and boiling range:** No data available.
- Flash Point:** No data available.
- Evaporation rate:** No data available.
- Flammability (solid, gas):** No data available.

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Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	Not applied
Vapor density:	No data available.
Density:	ca. 1.230 g/cm ³
Relative density:	ca. 1,23
Solubility(ies)	
Solubility in water:	Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	> 20,5 mm ² /s (40 °C)
Specific gravity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerisation does not occur.
Conditions to avoid:	Keep away from moisture. Keep away from heat, sparks and open flame.
Incompatible Materials:	Strong Acids, Strong Bases Contact with water.
Hazardous Decomposition Products:	Carbon oxides Oxides of silicon. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

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Inhalation: No data available.
Skin Contact: No data available.
Eye contact: No data available.
Ingestion: No data available.

Information on toxicological effects

Acute toxicity

Oral

Product: Not classified for acute toxicity based on available data.

Dermal

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

Vinyltrimethoxysilane LD 50 (Rabbit): > 3.460 - 4.000 mg/kg (OECD-Guideline 402 (Acute Dermal Toxicity))

Inhalation

Product: ATEmix (4 h): 273,97 mg/l Vapour

Specified substance(s):

Vinyltrimethoxysilane LC50 (Rat, 4 h): 16,79 mg/l
 LC50 (Rat, 4 h): 2773 ppm (OECD Test Guideline 403)

Repeated dose toxicity

Product: No data available.

Skin irritation and corrosion

Product: No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Vinyltrimethoxysilane OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): No eye irritation

Respiratory or Skin Sensitization

Product: No data available.

Specified substance(s):

Vinyltrimethoxysilane , OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig) Did not cause sensitization on laboratory animals.

Carcinogenicity

Product: No data available.

Notifiable Carcinogenic Substances

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No carcinogenic components identified

Prohibited Carcinogenic Substances

No carcinogenic components identified

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

QUARTZ	Overall evaluation: 1. Carcinogenic to humans.
Carbon Black	Overall evaluation: 2B. Possibly carcinogenic to humans.

ACGIH Carcinogen List:

Germ Cell Mutagenicity

In vitro	
Product:	No data available.

In vivo	
Product:	No data available.

Reproductive toxicity	
Product:	No data available.

Specific Target Organ Toxicity - Single Exposure	
Product:	No data available.

Specific Target Organ Toxicity - Repeated Exposure	
Product:	No data available.

Aspiration Hazard	
Product:	No data available.

Other effects:	No data available.
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12. Ecological information

Ecotoxicity

Acute hazards to the aquatic environment

Fish	
Product:	No data available.

Aquatic Invertebrates	
Product:	No data available.

Chronic hazards to the aquatic environment

Fish	
Product:	No data available.

Aquatic Invertebrates	
Product:	No data available.

Toxicity to Aquatic Plants	
Product:	No data available.

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Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

Vinyltrimethoxysilane (28 d, OECD-Guideline 301 F (Manometric Respirometry Test)) The product is not readily biodegradable.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log K_{ow})

Product: No data available.

Mobility

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

QUARTZ No data available.

Vinyltrimethoxysilane No data available.

Titanium, Bis(ethyl acetoacetato)-diispropoxy No data available.

Carbon Black No data available.

Other adverse effects: No data available.

13. Disposal considerations

General information: Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

Disposal methods

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: Dispose of as unused product.

14. Transport information

National Regulations

ADG

Not regulated.

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International regulations

IATA

Not regulated.

IMDG

Not regulated.

Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

Special precautions for user:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poisons Schedule Number

AU SUSMP 2	Poisons schedule number not allocated
AU SUSMP 3	Poisons schedule number not allocated
AU SUSMP 4	Poisons schedule number not allocated
AU SUSMP 5	Poisons schedule number not allocated
AU SUSMP 6	Poisons schedule number not allocated
AU SUSMP 7	Poisons schedule number not allocated
AU SUSMP 8	Poisons schedule number not allocated
AU SUSMP 9	Poisons schedule number not allocated
AU SUSMP A	Poisons schedule number not allocated
AU SUSMP B	Poisons schedule number not allocated
AU SUSMP C	Poisons schedule number not allocated

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AU SUSMP D	Poisons schedule number not allocated
AU SUSMP E	Poisons schedule number not allocated
AU SUSMP F	Poisons schedule number not allocated
AU SUSMP G	Poisons schedule number not allocated
AU SUSMP H	Poisons schedule number not allocated
AU SUSMP I	Poisons schedule number not allocated
AU SUSMP J	Poisons schedule number not allocated
AU SUSMP K	Poisons schedule number not allocated
AUSUSMPDS	Poisons schedule number not allocated

Notifiable Carcinogenic Substances

Not Regulated

Prohibited Carcinogenic Substances

Not Regulated

National Pollutant Inventory (NPI) substance reporting list

Not Regulated

Prohibited Substances (National Model Regulations for the Control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994))

Not Regulated

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not Regulated

Importation of Ozone Depleting Substances (Customs (Prohibited Imports) Regulations 1956, Schedule 10)

Not Regulated

High Volume Industrial Chemicals (HVIC)

2-Propanol

Threshold quantity: 1.000 - 9.999 tonnes

International regulations

Montreal protocol

Not applicable

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Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

Inventory Status:

Australia AICS:	y (positive listing)	Remarks: None.
Canada DSL Inventory List:	y (positive listing)	Remarks: None.
EU EINECS List:	y (positive listing)	Remarks: None.
Japan (ENCS) List:	y (positive listing)	Remarks: None.
China Inventory of Existing Chemical Substances:	y (positive listing)	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	y (positive listing)	Remarks: None.
Canada NDSL Inventory:	n (Negative listing)	Remarks: None.
Philippines PICCS:	y (positive listing)	Remarks: None.
US TSCA Inventory:	y (positive listing)	Remarks: None.
New Zealand Inventory of Chemicals:	y (positive listing)	Remarks: None.
Taiwan. Taiwan inventory (CSNN):	y (positive listing)	Remarks: None.

16. Other Information

Issue Date:	04.04.2018
Revision Date:	No data available.
Version #:	1.0
Further Information:	No data available.
Key abbreviations or acronyms used:	No data available.
References:	No data available.

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Disclaimer:

Notice to reader

Unless otherwise specified in section 1.2, Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

Further Information

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 safehandling, 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 combination with any other materials or in any process, unless specified in the text.

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