

# SAFETY DATA SHEET

## XIAMETER™ RTV-4133-M3 Base



Version 4.0      Revision Date: 10/19/2017      SDS Number: 1373837-00007      Date of last issue: 05/08/2017  
Date of first issue: 02/27/2015

---

### SECTION 1. IDENTIFICATION

Product name : XIAMETER™ RTV-4133-M3 Base

Product code : 04107164

#### Manufacturer or supplier's details

Company Identification : THE DOW CHEMICAL COMPANY  
2030 WILLARD H DOW CENTER  
MIDLAND MI 48674-0000  
UNITED STATES

Telephone : 800-258-2436

24-Hour Emergency Contact : Chemtrec +1 800-424-9300

Local Emergency Number : 800-424-9300

E-mail address : SDSQuestion@dow.com

#### Recommended use of the chemical and restrictions on use

Recommended use : Polymer

---

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Other hazards

None known.

---

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Liquid Silicone Rubber

#### Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Quartz	14808-60-7	>= 30 - < 50

---

### SECTION 4. FIRST AID MEASURES

If inhaled : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.

In case of skin contact : Wash with water and soap as a precaution.

---

# SAFETY DATA SHEET

## XIAMETER™ RTV-4133-M3 Base



Version 4.0      Revision Date: 10/19/2017      SDS Number: 1373837-00007      Date of last issue: 05/08/2017  
Date of first issue: 02/27/2015

---

- In case of eye contact : Get medical attention if symptoms occur.  
: Flush eyes with water as a precaution.  
: Get medical attention if irritation develops and persists.
  - If swallowed : If swallowed, DO NOT induce vomiting.  
: Get medical attention if symptoms occur.  
: Rinse mouth thoroughly with water.
  - Most important symptoms and effects, both acute and delayed : None known.
  - Protection of first-aiders : No special precautions are necessary for first aid responders.
  - Notes to physician : Treat symptomatically and supportively.
- 

### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray  
: Alcohol-resistant foam  
: Carbon dioxide (CO<sub>2</sub>)  
: Dry chemical
  - Unsuitable extinguishing media : None known.
  - Specific hazards during fire fighting : Exposure to combustion products may be a hazard to health.
  - Hazardous combustion products : Carbon oxides  
: Silicon oxides  
: Formaldehyde
  - Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
: Use water spray to cool unopened containers.  
: Remove undamaged containers from fire area if it is safe to do so.  
: Evacuate area.
  - Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.  
: Use personal protective equipment.
- 

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Follow safe handling advice and personal protective equipment recommendations.
- Environmental precautions : Discharge into the environment must be avoided.  
: Prevent further leakage or spillage if safe to do so.

# SAFETY DATA SHEET

## XIAMETER™ RTV-4133-M3 Base



Version 4.0      Revision Date: 10/19/2017      SDS Number: 1373837-00007      Date of last issue: 05/08/2017  
Date of first issue: 02/27/2015

Prevent spreading over a wide area (e.g., by containment or oil barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material.  
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.  
Clean up remaining materials from spill with suitable absorbent.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### SECTION 7. HANDLING AND STORAGE

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labeled containers.  
Store in accordance with the particular national regulations.

Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Quartz	14808-60-7	TWA (respirable)	10 mg/m <sup>3</sup> / %SiO <sub>2</sub> +2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO <sub>2</sub> +5	OSHA Z-3
		TWA (Respirable fraction)	0.025 mg/m <sup>3</sup> (Silica)	ACGIH

# SAFETY DATA SHEET

## XIAMETER™ RTV-4133-M3 Base



Version 4.0      Revision Date: 10/19/2017      SDS Number: 1373837-00007      Date of last issue: 05/08/2017  
Date of first issue: 02/27/2015

		TWA (Respirable dust)	0.05 mg/m <sup>3</sup> (Silica)	NIOSH REL
		TWA (Respirable dust)	0.05 mg/m <sup>3</sup>	OSHA Z-1

**These substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard.**

II

Quartz

**Engineering measures** : Processing may form hazardous compounds (see section 10).  
Ensure adequate ventilation, especially in confined areas.  
Minimize workplace exposure concentrations.

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : Wash hands before breaks and at the end of workday.

Eye protection : Wear the following personal protective equipment:  
Safety glasses

Skin and body protection : Skin should be washed after contact.

Hygiene measures : Ensure that eye flushing systems and safety showers are located close to the working place.  
When using do not eat, drink or smoke.  
Wash contaminated clothing before re-use.  
These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.  
For further information regarding the use of silicones / organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these type of materials in consumer aerosol applications that has been developed by the silicone industry ([www.SEHSC.com](http://www.SEHSC.com)) or contact the Dow Chemical customer service group.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : viscous liquid  
Color : beige  
Odor : No data available  
Odor Threshold : No data available  
pH : No data available

# SAFETY DATA SHEET

## XIAMETER™ RTV-4133-M3 Base



Version            Revision Date:            SDS Number:            Date of last issue: 05/08/2017  
4.0                10/19/2017                1373837-00007            Date of first issue: 02/27/2015

---

Melting point/freezing point            :    No data available

Initial boiling point and boiling range    :    > 35 °C

Flash point                                    :    > 100 °C  
    Method: closed cup

Evaporation rate                            :    No data available

Flammability (solid, gas)                 :    Not applicable

Self-ignition                                :    The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating.

Upper explosion limit / Upper flammability limit    :    No data available

Lower explosion limit / Lower flammability limit    :    No data available

Vapor pressure                                :    No data available

Relative vapor density                     :    No data available

Relative density                             :    1.29

Solubility(ies)  
    Water solubility                         :    No data available

Partition coefficient: n-octanol/water            :    No data available

Autoignition temperature                 :    No data available

Decomposition temperature                :    No data available

Viscosity  
    Viscosity, kinematic                    :    130000 cSt

Explosive properties                        :    Not explosive

Oxidizing properties                        :    The substance or mixture is not classified as oxidizing.

Molecular weight                            :    No data available

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity                                    :    Not classified as a reactivity hazard.

Chemical stability                            :    Stable under normal conditions.

# SAFETY DATA SHEET

## XIAMETER™ RTV-4133-M3 Base



Version            Revision Date:            SDS Number:            Date of last issue: 05/08/2017  
4.0                10/19/2017                1373837-00007            Date of first issue: 02/27/2015

---

Possibility of hazardous reactions : Can react with strong oxidizing agents.  
Adequate ventilation is required.  
See OSHA formaldehyde standard, 29 CFR 1910.1048  
When heated to temperatures above 180 °C (356 °F) in the presence of air, trace quantities of formaldehyde may be released.  
Hazardous decomposition products will be formed at elevated temperatures.

Conditions to avoid : None known.

Incompatible materials : Oxidizing agents

### **Hazardous decomposition products**

Thermal decomposition : Formaldehyde

---

## SECTION 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure**

Inhalation  
Skin contact  
Ingestion  
Eye contact

### **Acute toxicity**

Not classified based on available information.

### **Ingredients:**

#### **Quartz:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

### **Skin corrosion/irritation**

Not classified based on available information.

### **Serious eye damage/eye irritation**

Not classified based on available information.

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

#### **Germ cell mutagenicity**

Not classified based on available information.

#### **Carcinogenicity**

Not classified based on available information.

# SAFETY DATA SHEET

## XIAMETER™ RTV-4133-M3 Base



Version 4.0      Revision Date: 10/19/2017      SDS Number: 1373837-00007      Date of last issue: 05/08/2017  
Date of first issue: 02/27/2015

---

### Ingredients:

#### **Quartz:**

Species: Humans

Application Route: inhalation (dust/mist/fume)

Result: positive

Remarks: IARC: (International Agency for Research on Cancer)

These substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard.

Carcinogenicity - Assessment : Positive evidence from human epidemiological studies (inhalation)

**IARC** Group 1: Carcinogenic to humans

Quartz 14808-60-7

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** Known to be human carcinogen

Quartz 14808-60-7

#### **Reproductive toxicity**

Not classified based on available information.

#### **STOT-single exposure**

Not classified based on available information.

#### **STOT-repeated exposure**

Not classified based on available information.

### Ingredients:

#### **Quartz:**

Routes of exposure: inhalation (dust/mist/fume)

Target Organs: Lungs

Assessment: Shown to produce significant health effects in animals at concentrations of 0.02 mg/l/6h/d or less.

#### **Repeated dose toxicity**

### Ingredients:

#### **Quartz:**

Species: Humans

LOAEL: 0.053 mg/m<sup>3</sup>

Application Route: Inhalation

Remarks: These substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard.

#### **Aspiration toxicity**

Not classified based on available information.

# SAFETY DATA SHEET

## XIAMETER™ RTV-4133-M3 Base



Version 4.0      Revision Date: 10/19/2017      SDS Number: 1373837-00007      Date of last issue: 05/08/2017  
Date of first issue: 02/27/2015

---

**Product:**

No aspiration toxicity classification

---

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Ingredients:**

**Quartz:**

**Ecotoxicology Assessment**

Acute aquatic toxicity : No toxicity at the limit of solubility.  
Chronic aquatic toxicity : No toxicity at the limit of solubility.

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

---

### SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

Resource Conservation and Recovery Act (RCRA) : This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

---

### SECTION 14. TRANSPORT INFORMATION

**International Regulations**

**UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**



# SAFETY DATA SHEET

## XIAMETER™ RTV-4133-M3 Base



Version 4.0      Revision Date: 10/19/2017      SDS Number: 1373837-00007      Date of last issue: 05/08/2017  
Date of first issue: 02/27/2015

Not regulated as a dangerous good

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Domestic regulation

#### 49 CFR

UN/ID/NA number : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (Xylene)  
Class : 9  
Packing group : III  
Labels : CLASS 9  
ERG Code : 171  
Marine pollutant : no  
Remarks : THE ABOVE INFORMATION ONLY APPLIES TO PACKAGE SIZES WHERE THE HAZARDOUS SUBSTANCE MEETS THE REPORTABLE QUANTITY.

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know

#### CERCLA Reportable Quantity

Ingredients	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Xylene	1330-20-7	100	41666
Ethylbenzene	100-41-4	1000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### US State Regulations

#### Pennsylvania Right To Know

Dimethyl Siloxane, Dimethylvinylsiloxo-terminated 68083-19-2  
Quartz 14808-60-7  
Dimethylvinylated and trimethylated silica 68988-89-6  
Xylene 1330-20-7  
Aluminum oxide 1344-28-1  
Ethylbenzene 100-41-4

# SAFETY DATA SHEET

## XIAMETER™ RTV-4133-M3 Base



Version 4.0      Revision Date: 10/19/2017      SDS Number: 1373837-00007      Date of last issue: 05/08/2017  
Date of first issue: 02/27/2015

### California Prop. 65

WARNING: This product can expose you to chemicals including Ethylbenzene, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### California Permissible Exposure Limits for Chemical Contaminants

Quartz 14808-60-7

### California Regulated Carcinogens

Quartz 14808-60-7

### The ingredients of this product are reported in the following inventories:

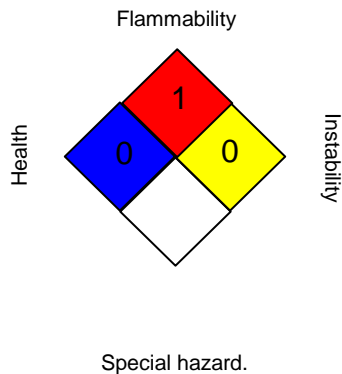
TSCA : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



#### HMIS® IV:

HEALTH	/	0
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

- ACGIH : USA. ACGIH Threshold Limit Values (TLV)
- NIOSH REL : USA. NIOSH Recommended Exposure Limits
- OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
- OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
- ACGIH / TWA : 8-hour, time-weighted average
- NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
- OSHA Z-1 / TWA : 8-hour time weighted average
- OSHA Z-3 / TWA : 8-hour time weighted average

# SAFETY DATA SHEET

## XIAMETER™ RTV-4133-M3 Base



Version            Revision Date:            SDS Number:            Date of last issue: 05/08/2017  
4.0                10/19/2017                1373837-00007            Date of first issue: 02/27/2015

---

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 10/19/2017

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

US / Z8