

RTV 160

# SAFETY DATA SHEET

## 1 Product and company identification

**Name of chemical (Product name)** : RTV 160

**Manufacturer/Importer/Distributor Information** : Momentive Performance Materials Japan LLC  
Akasaka Park Building  
5-2-20 Akasaka, Minato-ku  
Tokyo Japan

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**Responsible Department** : Product Stewardship & Compliance Group

## 2 Hazard(s) identification

**GHS classification:**

**Physical Hazards:**

Flammable liquids

Category 4

**GHS label elements:**

**Pictograms:** No symbol

**Signal Word:** Warning

**Hazard Statement:** Combustible liquid.

**Precautionary Statements:**

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:** Store in a well-ventilated place.

**Disposal:** Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**Other hazards which do not result in classification:**

none

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**3 Composition/information on ingredients**

**Chemical nature:** Mixture of polydimethylsiloxanes, fillers and cross-linkers.

**Mixtures**

Chemical Identity	CAS number	Concentration*
TITANIUM DIOXIDE	13463-67-7	1 - 10%
Tris(3(trimethoxysilyl)propyl)isocyanurate	26115-70-8	1.0 - 10%

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

**4 First-aid measures**

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

**Skin Contact:** Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

**Eye contact:** Flush thoroughly with water for at least 15 minutes. Get medical assistance.

**Ingestion:** If swallowed, do NOT induce vomiting. Give a glass of water. Do not give victim anything to drink if he is unconscious. Get medical attention if any discomfort continues.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** No data available.

**Hazards:** No data available.

**5 Fire-fighting measures**

**Extinguishing media:** Extinguish with foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media:** No data available.

**6 Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Keep unprotected persons away. Remove sources of ignition. Use personal protective equipment. Keep upwind.

**Environmental Precautions:** Avoid discharge into drains, water courses or onto the ground.

**Methods or materials for containment and cleaning up:** Put in an empty container for recovery after preventing spill by sand or sandbags, if the amount of spill is large. Put in an empty container for recovery after wiping or soaking up in an inert material, if the amount of spill is small.

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**Prevention of secondary hazards:** No data available.

**7 Handling and storage**

**Handling**

**Technical measures (e.g. Local and general ventilation):** Eyewash bottle with clean water. Provide adequate general and local exhaust ventilation.

**Safe handling advice:** "Wear eye, hand and respiratory protection when in handling." Keep away from sources of ignition - No smoking. Protect from moisture. Seal opened containers and use up as soon as possible. Alcohol released during curing. Use only in well-ventilated areas.

**Contact avoidance measures:** Wear suitable gloves and eye/face protection.

**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.

**Storage**

**Safe storage conditions:** Store in a dark, cool place indoors, with container tightly closed.

**Safe packaging materials:** No data available.

**8 Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits:**

Chemical name	Type	Exposure Limit Values	Regulation Sources
TITANIUM DIOXIDE - Respirable dust.	TWA	1 mg/m3	Japan. OELs - JSOH (Recommendation of Occupational Exposure Limits), as amended (05 2014)
TITANIUM DIOXIDE - Total dust.	TWA	4 mg/m3	Japan. OELs - JSOH (Recommendation of Occupational Exposure Limits), as amended (05 2014)
TITANIUM DIOXIDE	TWA	0.3 mg/m3	Japan. OELs - JSOH (Recommendation of Occupational Exposure Limits), as amended (05 2014)

**Personal protective equipment (ppe)**

**Respiratory Protection:** Gas mask with organic vapor canister and dust and mist filter.

**Hand Protection:** Chemical resistant gloves

**Eye Protection:** Safety glasses with side shields

**Skin and Body Protection:** Chemical resistant clothing Wear rubber boots.

**9 Physical and chemical properties**

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<b>Physical state:</b>	liquid
<b>Form:</b>	Paste
<b>Color:</b>	White
<b>Odor:</b>	Alcohol
<b>Odor threshold</b>	No data available.
<b>Melting point/freezing point</b>	No data available.
<b>Initial boiling point and boiling range</b>	>93 °C
<b>Flammability</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point</b>	ca.75 °CClosed Cup
<b>Evaporation rate</b>	No data available.
<b>Auto-ignition temperature</b>	No data available.
<b>Decomposition temperature</b>	No data available.
<b>SADT</b>	No data available.
<b>pH</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.
<b>Viscosity, kinematic:</b>	> 20.5 mm <sup>2</sup> /s (40 °C)
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Insoluble
<b>Solubility (other):</b>	Soluble in toluene
<b>Partition coefficient (n-octanol/water)Log Pow</b>	Not determined.
<b>Vapor pressure</b>	No data available.
<b>Density</b>	ca. 1.040 g/cm <sup>3</sup>
<b>Relative density</b>	1.04
<b>Vapor density</b>	No data available.

<b>10 Stability and reactivity</b>
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<b>Reactivity:</b>	No dangerous reaction if used as recommended.
<b>Chemical Stability:</b>	No data available.
<b>Possibility of hazardous reactions:</b>	No data available.
<b>Conditions to avoid:</b>	Keep away from heat, sparks and open flame.
<b>Incompatible Materials:</b>	Water, moisture. The catalysis of strong acids or bases cause polymerization or decomposition. Reacts with water or moisture to form: Alcohol
<b>Hazardous Decomposition Products:</b>	Carbon dioxide Silicon dioxide. Formaldehyde. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

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**11 Toxicological information**

**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:** ATEmix: 134,067.95 mg/kg

**Dermal**

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

**Components:**

TITANIUM DIOXIDE LD 50 (Rabbit): > 10,000 mg/kg

Tris(3(trimethoxysilyl)propyl)isocyanurate LD 50 (Rat, No data available.): 16,000 mg/kg

**Inhalation**

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

**Repeated dose toxicity**

**Product:** No data available.

**Skin Corrosion/Irritation**

**Product:** No data available.

**Components:**

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**

TITANIUM DIOXIDE No eye irritation

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Respiratory sensitization**

**Product:** No data available.

**Components:**

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Skin sensitization**

**Product:** No data available.

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**Components:**

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Carcinogenicity**

**Product:** No data available.

**Components:**

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Japan Society for Occupational Health: Carcinogen:**

No carcinogenic components identified

**Japan. ISHL Designated Carcinogen:**

No carcinogenic components identified

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Components:**

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**In vivo**

**Product:** No data available.

**Components:**

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Reproductive toxicity**

**Product:** No data available.

**Components:**

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

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**Components:**

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Components:**

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Aspiration Hazard**

**Product:** No data available.

**Components:**

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Other effects:** No data available.

**12 Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Components:**

TITANIUM DIOXIDE LC0 (Leuciscus idus, 48 h): > 1,000 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Toxicity to microorganisms**

**Product:** No data available.

**Components**

TITANIUM DIOXIDE EC0 (Pseudomonas putida, 24 h): > 10,000 mg/l

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Tris(3(trimethoxysilyl)propyl)isocyanurate      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.

**Components:**

TITANIUM DIOXIDE      No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate      No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:**      No data available.

**Components:**

TITANIUM DIOXIDE      0 %

**BOD/COD Ratio**

**Product:**      No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:**      No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:**      Log Kow: Not determined.

**Mobility in soil:**      No data available.

**Hazardous to the ozone layer:**      Not Regulated

**Further Information:**      No data available.

**13 Disposal considerations**

**General information:**      The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

**Disposal methods:**      This product falls under Industrial Waste based on Wastes Disposal and Public Cleansing Law. Dispose of in accordance with this law and local regulations.

**Contaminated Packaging:**      No data available.



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**14 Transport information**

**International regulations**

**IMDG - International Maritime Dangerous Goods Code**

Not regulated.

**IATA**

Not regulated.

**National Regulations**

**Domestic Standard:** In compliance with domestic law.

**Special precautions for user:**

This product is Combustible as defined by the US Department of Transportation (DOT). It is regulated for transport in the US in container > 119 gallons. The product is not regulated for transport by the IATA, ADR/RID, ADNR or the IMDG regulations. Protect from moisture. Keep away from food, foodstuff, acids and bases. keep away from odour sensitive materials

**15 Regulatory information**

**Japan CSCL:**

**Priority Assessment Chemical Substances:** Not Regulated

**Monitoring Chemical Substances:** Not Regulated

**Law concerning Pollutant Release and Transfer Register:**

**Specified Class 1 substance(s):** Not Regulated

**Class 1 Substance(s):** Not Regulated

**Class 2 Substance(s):** Not Regulated

**Industrial Safety and Health Act:**

**Article 57-2 Regulated Substance(s):** TITANIUM DIOXIDE;

**Article 57 Regulated Substance(s) subject to labeling:** TITANIUM DIOXIDE

**Organic Solvent Regulation**

Not Regulated

**Specified Substances Regulation:**

**Class 1 designated chemical substances:**

Not Regulated

**Class 2 designated chemical substances:**

Not Regulated

**Class 3 designated chemical substances:**

Not Regulated

**Poisonous and Deleterious Substances Control Act:**

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**Specified poisonous substance(s):**

**Main law:** Not Regulated

**Cabinet order:** Not Regulated

**Poisonous Substance(s):**

**Main law:** Not Regulated

**Cabinet order:** Not Regulated

**Deleterious Substance(s):**

**Main law:** Not Regulated

**Cabinet order:** Not Regulated

**Fire Service Law:** Designated combustible materials: Flammable liquid

**High Pressure Gas Safety Law:** Not Regulated

**Act on Prevention of Marine Pollution and Maritime Disaster:** Not Regulated

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**Inventory Status:**

Australia AICS:	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	On or in compliance with the inventory	Remarks: None.
EINECS, ELINCS or NLP:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.
REACH:	If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany, all substances in this product have been registered by Momentive Performance Materials GmbH or upstream in our supply chain or are exempt from registration under Regulation (EC) No 1907/2006 (REACH). For polymers, this includes the constituent monomers and other reactants.	Remarks: None.

**16 Other Information**

**Revision Information:** ARGLO\_INVSTSARGHS\_JP  
**Issue Date:** 07/15/2021  
**SDS No.:** UN000000000000037957-CANA-3-01

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**Disclaimer:**

**Notice to reader**

This material is developed and manufactured for industrial applications only. For medical or other special applications, use after performing safety testing on the product and confirming safety. Never use for human applications such as implant, impregnation, or where a residue may possibly remain in the body.

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

**Literature Reference:** No data available.