



Revision Number: 003.2

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: RTV Blue 190 ml AE
Product type: Silicone
Company address: Henkel Corporation
Contact information: Telephone: 860.571.5100

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Table with 4 columns: Physical state, Color, Odor, and HMIS (HEALTH, FLAMMABILITY, PHYSICAL HAZARD, Personal Protection). Includes a WARNING section: CONTENTS UNDER PRESSURE.

Relevant routes of exposure: Skin, Eye contact, Lungs

Potential Health Effects

Inhalation: Acetic acid produced during cure may irritate eyes, nose and throat.
Skin contact: Repeated or prolonged skin contact may cause skin irritation and/or dermatitis.
Eye contact: Vapors may irritate eyes.
Ingestion: Not expected under normal conditions of use.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Siloxanes and Silicones, di-Me, hydroxy-terminated	70131-67-8	60 - 100
Distillates (petroleum), hydrotreated middle	64742-46-7	5 - 10
Silicon dioxide	7631-86-9	5 - 10
Norflurane	811-97-2	5 - 10
Dimethyl polysiloxane	63148-62-9	1 - 5
Triacetoxyethylsilane	17689-77-9	1 - 5
Methylsilanetriyl triacetate	4253-34-3	1 - 5
Acetic acid	64-19-7	0.1 - 1
Gamma-glycidoxypropyl trimethoxysilane	2530-83-8	0.1 - 1
Calcium acetate	62-54-4	0.1 - 1
C.I. Pigment Blue 28	1345-16-0	0.1 - 1
Organocopper compound	13395-16-9	0.1 - 1

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. If symptoms persist, seek medical advice.
<b>Skin contact:</b>	Wipe off paste with paper towel or cloth. Wash with soap and water. In case of adverse health effects seek medical advice.
<b>Eye contact:</b>	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
<b>Ingestion:</b>	Do not induce vomiting. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
<b>Notes to physician:</b>	Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	> 93.0 °C (> 199.4 °F)
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits - lower:</b>	4 % (acetic acid)
<b>Flammable/Explosive limits - upper:</b>	19.9 % (acetic acid)
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	None
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Oxides of silicon. Formaldehyde. Oxides of carbon.

### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Store in a partly filled, closed container until disposal. Spilled material will solidify. Scrape up as much material as possible. Maintain good ventilation for large spills.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Do not handle contact lenses until all sealant has been removed from hands. Residual sealant may transfer to lenses and cause eye irritation.

**Storage:** For safe storage, store between 0 °C (32°F) and 60 °C (140°F)  
Keep container closed.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Siloxanes and Silicones, di-Me, hydroxy-terminated	None	None	None	None
Distillates (petroleum), hydrotreated middle	None	None	None	None
Silicon dioxide	6 mg/m3 TWA	20 MPPCF TWA 0.8 mg/m3 TWA	None	3 mg/m3 TWA Respirable fraction.
Norflurane	None	None	1,000 ppm (4,240 mg/m3) TWA	None
Dimethyl polysiloxane	None	None	None	None
Triacetoxethylsilane	None	None	None	None
Methylsilanetriyl triacetate	None	None	None	None
Acetic acid	10 ppm TWA 15 ppm STEL	10 ppm (25 mg/m3) TWA	None	None
Gamma-glycidoxypropyl trimethoxysilane	None	None	None	None
Calcium acetate	None	None	None	None
C.I. Pigment Blue 28	0.02 mg/m3 TWA (as Co) 1 mg/m3 TWA Respirable fraction.	None	None	None
Organocopper compound	None	None	None	None

**Engineering controls:** Ensure adequate ventilation, especially in confined areas. Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

**Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:** Safety goggles or safety glasses with side shields.

**Skin protection:** Chemical resistant, impermeable gloves. Nitrile gloves. Butyl rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Aerosol, Liquid or paste
<b>Color:</b>	Blue
<b>Odor:</b>	Acetic acid
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Vapor pressure:</b>	< 10 mm hg (20 °C (68°F))
<b>Boiling point/range:</b>	Not available
<b>Melting point/ range:</b>	Not available
<b>Specific gravity:</b>	1.03 at 20 °C (68°F)
<b>Vapor density:</b>	Heavier than air.
<b>Flash point:</b>	> 93.0 °C (> 199.4 °F)
<b>Flammable/Explosive limits - lower:</b>	4 % (acetic acid)
<b>Flammable/Explosive limits - upper:</b>	19.9 % (acetic acid)
<b>Autoignition temperature:</b>	Not available
<b>Evaporation rate:</b>	Not available

**Solubility in water:** Not soluble. Polymerizes in presence of water.  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** 3.9 %; 39.4 g/l (calculated)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Hazardous reactions:** Will not occur.

**Hazardous decomposition products:** Oxides of carbon. Oxides of silicon. Formaldehyde. Acetic acid is liberated slowly upon contact with moisture.

**Incompatible materials:** Water Bases. Oxidizing agents. Acids.

**Conditions to avoid:** Prolonged heating at temperatures above 150 °C. Exposure to moisture.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Siloxanes and Silicones, di-Me, hydroxy-terminated	No	No	No
Distillates (petroleum), hydrotreated middle	No	No	No
Silicon dioxide	No	No	No
Norflurane	No	No	No
Dimethyl polysiloxane	No	No	No
Triacetoxylethylsilane	No	No	No
Methylsilanetriyl triacetate	No	No	No
Acetic acid	No	No	No
Gamma-glycidoxypropyl trimethoxysilane	No	No	No
Calcium acetate	No	No	No
C.I. Pigment Blue 28	No	Group 2B	No
Organocopper compound	No	No	No

Hazardous components	Health Effects/Target Organs
Siloxanes and Silicones, di-Me, hydroxy-terminated	No Target Organs
Distillates (petroleum), hydrotreated middle	Irritant
Silicon dioxide	Nuisance dust
Norflurane	Cardiac, Central nervous system, Irritant, Respiratory, Skin
Dimethyl polysiloxane	Irritant
Triacetoxylethylsilane	No Target Organs
Methylsilanetriyl triacetate	Irritant, Allergen
Acetic acid	Allergen, Corrosive, Eyes, Gastrointestinal, Immune system, Irritant, Kidney
Gamma-glycidoxypropyl trimethoxysilane	Irritant, Allergen
Calcium acetate	Allergen, Corrosive, Irritant, Kidney
C.I. Pigment Blue 28	No Target Organs
Organocopper compound	Allergen, Blood, Central nervous system, Developmental, Gastrointestinal, Immune system, Irritant, Kidney, Liver, Mutagen, Sensory, Skin

## 12. ECOLOGICAL INFORMATION

### Ecological information:

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

### Recommended method of disposal:

Cured rubber can be incinerated or landfilled following EPA and local regulations. Follow all local, state, federal and provincial regulations for disposal.

### Hazardous waste number:

Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

### U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Aerosols  
Hazard class or division: 2.2  
Identification number: UN 1950  
Packing group: None

### International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, non-flammable  
Hazard class or division: 2.2  
Identification number: UN 1950  
Packing group: None

### Water Transportation (IMO/IMDG)

Proper shipping name: AEROSOLS  
Hazard class or division: 2.2  
Identification number: UN 1950  
Packing group: None

## 15. REGULATORY INFORMATION

### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

**TSCA 12(b) Export Notification:** None above reporting de minimus

**CERCLA/SARA Section 302 EHS:** None above reporting de minimus  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health  
**CERCLA/SARA 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). C.I. Pigment Blue 28 (CAS# 1345-16-0).

**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

### Canada Regulatory Information

**CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

WHMIS hazard class:

A, D.2.A, D.2.B

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Lou Fabrizio, Regulatory Affairs Specialist

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