RTV159

SAFETY DATA SHEET

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

GHS Product identifier: RTV159

Recommended use of the chemical and restrictions on use

Recommended use: Not available.
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:

Health Hazards

Skin Corrosion/Irritation Category 2

GHS label elements

Hazard symbol(s):

Signal Word: Warning

Hazard Statement(s): Causes skin irritation.

Precautionary statement(s):

Prevention: Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see on this label). Take off contaminated clothing.

Storage:	Not applicable
Disposal:	Not applicable
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Concentration*
Acetic acid	64-19-7	0,1 - 1%

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

4. First-aid measures

General information: For advice, contact a Poisons information Centre (Phone eg Australia 131 126; New Zealand 03 4747 000) or a doctor (at once).

Description of necessary first-aid measures

Inhalation: Move to fresh air. Get medical attention if any discomfort continues.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Eye contact: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

Ingestion: Immediately give a glass of water.

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.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	In case of fire, carbon monoxide and carbon dioxide may be formed. Use water spray to keep fire-exposed containers cool.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:	Keep away from sources of ignition - No smoking. Static discharge: material can accumulate static charges which may cause an incendiary electrical discharge.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.
Hazchem Code:	No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Wash skin thoroughly with soap and water. Keep container tightly closed and in a well-ventilated place. See Section 8 of the SDS for Personal Protective Equipment. Avoid contact with skin and eyes.
Environmental Precautions:	No data available.
Methods and material for containment and cleaning up:	Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.
Notification Procedures:	Prevent runoff from entering drains, sewers, or streams. Caution: Contaminated surfaces may be slippery.

7. Handling and storage

Precautions for safe handling:	Acetic acid is formed during processing. Wear appropriate personal protective equipment. Product may charge electrostatically during pouring or filling. Use only in well-ventilated areas. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Keep containers tightly closed.
Conditions for safe storage, including any incompatibilities:	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed and in a well-ventilated place.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Acetic acid	TWA	10 ppm 25 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	STEL	15 ppm 37 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	STEL	15 ppm 37 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
	TWA	10 ppm 25 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

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.

Individual protection measures, such as personal protective equipment

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: Respirator with a vapour filter (EN 141) If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Hygiene measures: Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation, especially in confined areas. Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke.

9. Physical and chemical properties

Appearance

Physical state: solid
Form: Paste
Color: Red

Odor:	Acetic acid.
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:	> 94 °C (estimated) Product does not flash below 93.3C (200F) during test; no actual flash point >93.3 C was determined.
Evaporation rate:	< 1
Flammability (solid, gas):	No data available.
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:	No data available.
Vapor density:	No data available.
Density:	ca. 1,1 g/cm3
Relative density:	ca. 1,10
Solubility(ies)	
Solubility in water:	Insoluble
Solubility (other):	Insoluble
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
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:	Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid:	Reacts with water liberating small amounts of acetic acid.
Incompatible Materials:	Strong Acids, Strong Bases
Hazardous Decomposition Products:	Carbon oxides Oxides of silicon. Acetic acid. 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

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.

Specified substance(s):
Acetic acid LD 50 (Rat): 3.310 mg/kg

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

Inhalation
Product: Not classified for acute toxicity based on available data.
Specified substance(s):
Acetic acid TDLo (Rat, 4 h): 16 mg/l

Repeated dose toxicity
Product: No data available.

Skin irritation and corrosion
Product: No data available.

Serious Eye Damage/Eye Irritation
Product: OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Slightly irritating. The health hazard evaluation is based on the toxicological properties of a similar material.

Respiratory or Skin Sensitization
Product: No data available.

RTV159

Carcinogenicity
Product: No data available.

Notifiable Carcinogenic Substances
No carcinogenic components identified

Prohibited Carcinogenic Substances
No carcinogenic components identified

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogenic components identified

ACGIH Carcinogen List:
No carcinogenic components identified

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.

12. Ecological information

Ecotoxicity

Acute hazards to the aquatic environment

Fish
Product: No data available.

Specified substance(s):

Acetic acid	LC50 (Lepomis macrochirus, 96 h): 75 mg/l LC0 (Leuciscus idus): 368 mg/l LC100 (Leuciscus idus): 452 mg/l LC50 (Leuciscus idus, 48 h): 410 mg/l LC50 (Pimephales promelas, 96 h): 88 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s):
Acetic acid — LC0 (Daphnia magna): 150 mg/l
EC50 (Daphnia magna, 24 h): 95 mg/l

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.

Persistence and Degradability

Biodegradation
Product: No data available.

Specified substance(s):
Acetic acid — 60 % (5 d, No data available.)

BOD/COD Ratio
Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)
Product: No data available.

Partition Coefficient n-octanol / water (log Kow)
Product: No data available.

Mobility
Mobility in soil: No data available.

Known or predicted distribution to environmental compartments
Acetic acid — 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:	Can be incinerated when in compliance with local regulations. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. The generation of waste should be avoided or minimized wherever possible. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.
Contaminated Packaging:	Dispose of as unused product.

14. Transport information

National Regulations

ADG

Not regulated.

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. Protect from moisture. Keep away from food, foodstuff, acids and bases. keep away from odour sensitive materials

15. Regulatory information

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

AU SUSMP 2	Acetic acid	Listed
AU SUSMP 3		Poisons schedule number not allocated
AU SUSMP 4		Poisons schedule number not allocated
AU SUSMP 5	Acetic acid	Listed
AU SUSMP 6	Acetic acid	Listed
AU SUSMP 7	Dibutyltin Dilaurate	Listed
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
AU SUSMP D		Poisons schedule number not allocated
AU SUSMP E	Acetic acid	Listed
AU SUSMP F	Acetic acid	Listed
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

Acetic acid

Threshold quantity:10tonnes/yr	Threshold Category: 1

Dibutyltin Dilaurate

Threshold quantity:10tonnes/yr	Threshold Category: 1

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)

Acetic acid	Threshold quantity: 1.000 - 9.999 tonnes

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

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.

16.Other Information

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