

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: RTV 12 A - Drum (200l-181.6kg)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Silicone Elastomer

Uses advised against: Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Importer/Distributor Information : Momentive Performance Materials GmbH
Chempark Leverkusen Gebaeude V7
DE - 51368 Leverkusen
Germany

Contact person : commercial.services@momentive.com

Telephone : General information
+390510924300 (Customer Service Centre)

1.4

Emergency telephone number : Europe, Israel & All other: +44 (0) 1235239670; Middle East:+44 (0) 1235239671

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Not classified

The product is not classified for chronic aquatic toxicity, for further details see section 16

2.2 Label Elements Not applicable

Supplemental label information

EUH210: Safety data sheet available on request.

Additional Information: No data available.

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

Chemical nature: Polydimethylsiloxane containing vinyl groups.

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3.2 Mixtures

General information: No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Toluene	0,1 - <1%	108-88-3	203-625-9	01-2119471310-51-XXXX	Not applicable	#

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

This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Classification	Notes
Toluene	Flam. Liq.: 2: H225; Repr.: 2: H361d; Asp. Tox.: 1: H304; STOT RE: 2: H373; Skin Corr.: 2: H315; STOT SE: 3: H336; Aquatic Chronic: 3: H412; No data available.	No data available. No data available.

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

General: Get medical attention if symptoms occur.

4.1 Description of first aid measures

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

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

Skin Contact: Important to remove the substance from the skin immediately. Wash area with soap and water.

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed: No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: No data available.

SECTION 5: Firefighting 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.

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- 5.1 Extinguishing media**
Suitable extinguishing media: All standard extinguishing agents are suitable.
- Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.
- 5.2 Special hazards arising from the substance or mixture:** In case of fire, carbon monoxide and carbon dioxide may be formed. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.
- 5.3 Advice for firefighters**
Special fire fighting procedures: Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.
- Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective clothing. Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Caution: Contaminated surfaces may be slippery.
- 6.2 Environmental Precautions:** Prevent runoff from entering drains, sewers, or streams.
- 6.3 Methods and material for containment and cleaning up:** Collect spillage with granulates, sawdust, rags or other absorbent. Shovel up and place in a container for salvage or disposal. Flush away spillage with plenty of water. Caution: Contaminated surfaces may be slippery.
- 6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment.

SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Wear appropriate personal protective equipment.
- Storage conditions:** Keep away from sources of ignition - No smoking. Store in original container. Keep away from heat and flame.
- 7.2 Conditions for safe storage, including any incompatibilities:** Keep away from water, acids, alkalis, amines and alcohols. Keep away from food, drink and animal feeding stuffs. Keep container tightly closed and in a well-ventilated place.
- Storage Stability:** Material is stable under normal conditions.
- 7.3 Specific end use(s):** No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters
Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Toluene	TWA	50 ppm 191 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
	STEL	100 ppm 384 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)

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	TWA	50 ppm	192 mg/m ³	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
	STEL	100 ppm	384 mg/m ³	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
	STEL	100 ppm	384 mg/m ³	EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European Commission - SCOEL, as amended (2014)
	TWA	50 ppm	192 mg/m ³	EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European Commission - SCOEL, as amended (2014)

Biological Limit Values

None.

8.2 Exposure controls

Appropriate Engineering Controls:

Eyewash bottle with clean water.

Individual protection measures, such as personal protective equipment

General information:

Use only in well-ventilated areas. Do not eat, drink or smoke when using the product. Wash hands after handling. Avoid contact with skin and eyes.

Eye/face protection:

Safety glasses with side-shields conforming to EN166

Skin protection

Hand Protection:

Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.

Other:

No data available.

Respiratory Protection:

No protection is ordinarily required under normal conditions of use and with adequate ventilation.

Hygiene measures:

Avoid contact with eyes, skin, and clothing. Wear suitable gloves and eye/face protection. Observe good industrial hygiene practices. Wash hands after handling. When using do not eat, drink or smoke.

Environmental exposure controls:

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:

liquid

Form:

liquid

Color:

Colorless

Odor:

Odorless

Odor Threshold:

No data available.

pH:

No data available.

Freezing point:

No data available.

Boiling Point:

> 260 °C (1,013 hPa)

Flash Point:

> 148 °C

Evaporation Rate:

No data available.

Flammability (solid, gas):

No data available.

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Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	Negligible
Relative vapor density:	1,0
Density:	ca. 1.020 g/cm ³
Relative density:	1,02
Solubility(ies)	
Solubility in Water:	Negligible
Solubility (other):	Toluene
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	Material is stable under normal conditions.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other information

VOC Content:	1,5 g/l
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SECTION 10: Stability and reactivity

10.1 Reactivity:	No data available.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Hazardous polymerization does not occur.
10.4 Conditions to avoid:	Heat, sparks, flames.
10.5 Incompatible Materials:	No data available.
10.6 Hazardous Decomposition Products:	Oxides of silicon. Carbon oxides Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

SECTION 11: Toxicological information

General information: Experience has shown, that the above mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed.

Information on likely routes of exposure

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

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11.1 Information on toxicological effects

Acute toxicity

Oral

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

Specified substance(s)

Toluene LD 50 (Rat): > 5.000 mg/kg

Dermal

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

Specified substance(s)

Toluene LD 50 (Rabbit): 12.124 mg/kg

Inhalation

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

Specified substance(s)

Toluene LC50 (Rat, 4,00 h): 30,6 mg/l

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Toluene No data available.

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s)

Toluene No data available.

Serious Eye Damage/Eye Irritation:

Product: No data available.

Specified substance(s)

Toluene No data available.

Respiratory or Skin

Sensitization:

Product: No data available.

Specified substance(s)

Toluene No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Toluene No data available.

In vivo

Product: No data available.

Specified substance(s)

Toluene No data available.

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Carcinogenicity	
Product:	No data available.
Specified substance(s)	
Toluene	No data available.
Reproductive toxicity	
Product:	No data available.
Specified substance(s)	
Toluene	No data available.
Specific Target Organ Toxicity - Single Exposure	
Product:	No data available.
Specified substance(s)	
Toluene	No data available.
Specific Target Organ Toxicity - Repeated Exposure	
Product:	No data available.
Specified substance(s)	
Toluene	No data available.
Aspiration Hazard	
Product:	No data available.
Specified substance(s)	
Toluene	No data available.
Other effects:	No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Toluene
 LC0 (Leuciscus idus, 48 h): 52 mg/l
 LC50 (Leuciscus idus, 48 h): 70 mg/l
 LC50 (Pimephales promelas, 96 h): 34 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Toluene
 LC0 (Daphnia magna): 93 mg/l
 (Daphnia magna): 270 mg/l

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Toluene No data available.

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Aquatic Invertebrates
Product: No data available.

Specified substance(s)
 Toluene No data available.

Toxicity to Aquatic Plants
Product: No data available.

Specified substance(s)
 Toluene No data available.

12.2 Persistence and Degradability

Biodegradation
Product: No data available.

Specified substance(s)
 Toluene No data available.

BOD/COD Ratio
Product No data available.

Specified substance(s)
 Toluene No data available.

12.3 Bioaccumulative potential

Product: No data available.

Specified substance(s)
 Toluene No data available.

12.4 Mobility in soil: No data available.

Known or predicted distribution to environmental compartments
 Toluene No data available.

12.5 Results of PBT and vPvB assessment: No data available.

Toluene No data available.

12.6 Other adverse effects: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Disposal methods: Can be incinerated when in compliance with local regulations.

SECTION 14: Transport information

ADR

Not regulated.

ADN

Not regulated.

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RTV 12 A - Drum (200l-181.6kg)**RID**

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

14.6 Special precautions for user: Keep away from food, drink and animal feeding stuffs. This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

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

Not applicable

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****EU Regulations**

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: none

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances: none

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:

Chemical name	CAS-No.	Concentration
Toluene	108-88-3	0,1 - 1,0%

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:

Chemical name	CAS-No.	Concentration
Toluene	108-88-3	0,1 - 1,0%

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Directive 2012/18/EU (Seveso III): on the control of major accident hazards involving dangerous substances:

Chemical name	CAS-No.	Concentration
Toluene	108-88-3	0,1 - 1,0%

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:

Chemical name	CAS-No.	Concentration
Toluene	108-88-3	0,1 - 1,0%

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
Toluene	108-88-3	0,1 - 1,0%

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

Inventory Status

Australia AICS:	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	E (special case)	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.

SECTION 16: Other information

Revision Information: Not relevant.

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Key literature references and sources for data:

The partition coefficient of D4 between PDMS and water has been determined as $\log K_{PDMS-water} = 7.09$. It follows that PDMS containing up to 3%w/w D4 will generate a thermodynamic limit concentration of 2.4 µg D4/L in the water phase. The critical 21d-NOEC for daphnia of 7.9 µg D4/L will not be reached. The product is therefore not classified for chronic aquatic toxicity

Wording of the H-statements in section 2 and 3

H225	Highly flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Training information: No data available.

Issue Date: 24.02.2022

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.

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