

RTV 88/DBT

# SAFETY DATA SHEET

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

**GHS Product identifier:** RTV 88/DBT

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

**Recommended use:** Catalyst

**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 1C
Serious Eye Damage/Eye Irritation	Category 1
Skin sensitizer	Category 1
Germ Cell Mutagenicity	Category 2
Toxic to reproduction	Category 1B
Specific Target Organ Toxicity - Single Exposure	Category 1
Specific Target Organ Toxicity - Repeated Exposure	Category 1

#### Environmental Hazards

Acute hazards to the aquatic environment	Category 1
Chronic hazards to the aquatic environment	Category 1

### GHS label elements

**Hazard symbol(s):**

**RTV 88/DBT**



**Signal Word:** Danger

**Hazard Statement(s):** Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
Suspected of causing genetic defects.  
May damage fertility or the unborn child.  
Causes damage to organs.  
Causes damage to organs <or state all organs affected, if known>  
through prolonged or repeated exposure <state route of exposure if it is  
conclusively proven that no other routes of exposure cause the hazard>.  
Very toxic to aquatic life with long lasting effects.

**Precautionary statement(s):**

**Prevention:** Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Avoid release to the environment.

**Response:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. If skin irritation or rash occurs: Get medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Specific treatment (see on this label). Wash contaminated clothing before reuse. Collect spillage.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification:** None.

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**3. Composition/information on ingredients**

**Chemical nature:** Catalyst

**RTV 88/DBT**

**Substances**

Chemical Identity	CAS number	Concentration*
Dibutyltin Dilaurate	77-58-7	100%

**4. First-aid measures**

**Description of necessary first-aid measures**

- Inhalation:** Move to fresh air. If respiratory problems, artificial respiration/oxygen. Get medical attention.
- Skin Contact:** Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Wash contaminated clothing before reuse. Call a physician or poison control center immediately.
- Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.
- Ingestion:** If swallowed, do NOT induce vomiting. Give a glass of water. Call a physician or poison control center immediately.

**Symptoms caused by exposure**

- Symptoms:** No data available.
- Hazards:** No data available.

**Medical attention and special treatment**

- Treatment:** Not relevant.

**5. Fire-fighting measures**

- General Fire Hazards:** Do not use water jet as an extinguisher, as this will spread the fire. Use water spray to keep fire-exposed containers cool.
- Means of fire extinguishing**
- Suitable extinguishing media:** Alcohol resistant foam. Carbon dioxide Dry chemical.
- Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.
- Specific hazards arising from the chemical:** In case of fire, carbon monoxide and carbon dioxide may be formed.

**Special protective equipment and precautions 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.

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**Hazchem Code:** No data available.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. Use personal protective equipment. Use only in well-ventilated areas.

**Environmental Precautions:** Do not allow runoff to sewer, waterway or ground.  
**Methods and material for containment and cleaning up:** Absorb spillage with suitable absorbent material. Shovel up and place in a container for salvage or disposal.

**Notification Procedures:** Remove sources of ignition. In case of spills, beware of slippery floors and surfaces. See Section 8 of the SDS for Personal Protective Equipment. Collect and dispose of spillage as indicated in section 13 of the SDS.

**7. Handling and storage**

**Precautions for safe handling:** Sensitivity to static discharge is not expected. Do not taste or swallow. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities:** Store in tightly closed original container in a dry and cool place.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values	Source
Dibutyltin Dilaurate - as Sn	STEL	0,2 mg/m <sup>3</sup>	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	0,1 mg/m <sup>3</sup>	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	STEL	0,2 mg/m <sup>3</sup>	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
	TWA	0,1 mg/m <sup>3</sup>	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:** Provide eyewash station and safety shower. Use only with adequate ventilation.

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**Individual protection measures, such as personal protective equipment**

<b>General information:</b>	Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.
<b>Eye/face protection:</b>	Safety glasses with side-shields conforming to EN166 Face shield
<b>Skin Protection</b>	
<b>Hand Protection:</b>	Chemical resistant gloves
<b>Other:</b>	Safety shoes Wear suitable protective clothing, gloves and eye/face protection.
<b>Respiratory Protection:</b>	No data available.
<b>Hygiene measures:</b>	Avoid contact with eyes, skin, and clothing. Observe good industrial hygiene practices. Wash hands after handling. When using do not eat, drink or smoke.

**9. Physical and chemical properties**

**Appearance**

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Faint
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Melting point/freezing point:</b>	28,5 °C (other methods)
<b>Initial boiling point and boiling range:</b>	205 °C (1,013 hPa) (other methods)
<b>Flash Point:</b>	191 °C (other methods)
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</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>Vapor pressure:</b>	0,0000077 hPa (25 °C)
<b>Vapor density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Relative density:</b>	1,28
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Slightly Soluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	4,44 ; pH 6,1 (OECD Test Guideline 107 )

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<b>Auto-ignition temperature:</b>	> 300 °C
<b>Decomposition temperature:</b>	No data available.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.
<b>Viscosity, kinematic:</b>	No data available.
<b>Specific gravity:</b>	No data available.

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**10. Stability and reactivity**

<b>Reactivity:</b>	No dangerous reaction if used as recommended.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerisation does not occur.
<b>Conditions to avoid:</b>	None known.
<b>Incompatible Materials:</b>	None known.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide Carbon Monoxide. Tin fumes.

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**11. Toxicological information**

**Information on likely routes of exposure**

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

**Information on toxicological effects**

**Acute toxicity**

<b>Oral Product:</b>	LD 50 (Rat)2.070 mg/kg
<b>Specified substance(s):</b> Dibutyltin Dilaurate	LD 50 (Rat, male and female): 2.071 mg/kg (OECD-Guideline 401 (Acute Oral Toxicity)) Not classified Slightly toxic

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**Dermal**

**Product:** LD 50 (Rabbit) > 2.000 mg/kg

**Specified substance(s):**

Dibutyltin Dilaurate LD 50 (Rat): ca. 750 mg/kg (No data available.)

LD 50 (Rat, males): > 1.000 mg/kg (No data available.)

LD 50 (Rat): > > 2.000 mg/kg (OECD-Guideline 402 (Acute Dermal Toxicity))  
Semi-occlusive

**Inhalation**

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

**Specified substance(s):**

Dibutyltin Dilaurate LC50 (Rat, 2,00 h): ca. 10 mg/l (No data available.)

**Repeated dose toxicity**

**Product:** No data available.

**Skin irritation and corrosion**

**Product:** OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit): Corrosive

**Serious Eye Damage/Eye Irritation**

**Product:** (Rabbit): Irritating to eyes.

**Respiratory or Skin Sensitization**

**Product:** No data available.

**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.

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**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:**

Contains dibutyl tin dilaurate which may cause birth defects and reproductive effects based on animal data. In animal studies with repeated oral application of dibutyl tin compounds toxic effects were observed on the liver, bile duct, brain and immune system.

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**12. Ecological information**

**Ecotoxicity**

**Acute hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** EC50 (Daphnia magna): 0,66 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):**

Dibutyltin Dilaurate 23 % (39 d) The product is not readily biodegradable.

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.



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

**Product:** Log Kow: 4,44 20,8 °C (OECD Test Guideline 107)

**Mobility**

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

**Known or predicted distribution to environmental compartments**

Dibutyltin Dilaurate 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:** 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**

UN Number:	UN 1760
UN Proper Shipping Name:	CORROSIVE LIQUID, N.O.S.
Transport Hazard Class(es)	
Class:	8
Label(s):	8
Packing Group:	III
Environmental Hazards	
Marine Pollutant:	No

**International regulations**

**IATA**

UN Number:	UN 1760
Proper Shipping Name:	Corrosive liquid, n.o.s.(Dibutyltin Dilaurate)
Transport Hazard Class(es):	
Class:	8
Label(s):	8
Packing Group:	III
Cargo aircraft only Packing	856
Instructions:	
Passenger and cargo aircraft	856
Packing Instructions:	

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Limited quantity: 1,00L  
 Packing Instructions: Y841

Excepted quantity E1

Environmental Hazards: Environmentally hazardous  
 Marine Pollutant: Yes

**IMDG**

UN Number: UN 1760  
 UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S.(Dibutyltin Dilaurate)  
 Transport Hazard Class(es)  
     Class: 8  
     Label(s): 8  
     EmS No.: F-A, S-B  
 Packing Group: III  
 Environmental Hazards  
     Marine Pollutant: Yes  
 Limited quantity 5,00L  
 Excepted quantity E1

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

Not applicable

**15. Regulatory information**

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

AU SUSMP 2		Poisons schedule number not allocated
AU SUSMP 3		Poisons schedule number not allocated
AU SUSMP 4		Poisons schedule number not allocated
AU SUSMP 5		Poisons schedule number not allocated
AU SUSMP 6		Poisons schedule number not allocated
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

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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	Poisons schedule number not allocated
AU SUSMP F	Poisons schedule number not allocated
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**  
 Dibutyltin Dilaurate

Threshold quantity:10tonnes/yr	Threshold Category: 1
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**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)**  
 SDS\_AU

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Not Regulated

**High Volume Industrial Chemicals (HVIC)**

Not Regulated

**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.
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.

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**RTV 88/DBT**

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**16. Other Information**

**Issue Date:** 04.04.2018

**Revision Date:** No data available.No data available.

**Version #:** 1.1

**Further Information:** No data available.

**Key abbreviations or acronyms used:** Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of causing genetic defects. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. Very toxic to aquatic life with long lasting effects.

**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 safehandling, 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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