

# SAFETY DATA SHEET



## DOW CORNING(R) 737 NEUTRAL CURE SEALANT - WHITE

Version 3.2	Revision Date: 09/12/2017	SDS Number: 637108-00011	Date of last issue: 05/02/2017 Date of first issue: 10/16/2014
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### SECTION 1. IDENTIFICATION

Product name : DOW CORNING(R) 737 NEUTRAL CURE SEALANT - WHITE

Product code : 000000000004099876

#### Manufacturer or supplier's details

Company name of supplier : Dow Corning Canada, Inc

Address : Unit 9 Suite 700 6975 Meadowvale Town Centre Cir  
Mississauga, ON L5N 2V7 Canada

Telephone : (800) 248-2481

Emergency telephone : Product Safety : (888) 335-1331 NEWALTA : (800) 567-7455

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

Recommended use : Adhesive, binding agents

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the Hazardous Products Regulations

Eye irritation : Category 2A

Skin sensitization : Category 1

Reproductive toxicity : Category 2

Specific target organ systemic toxicity - repeated exposure (Oral) : Category 2 (Blood)

#### GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H361d Suspected of damaging the unborn child.  
H373 May cause damage to organs (Blood) through prolonged or repeated exposure if swallowed.

Precautionary Statements : **Prevention:**

# SAFETY DATA SHEET



## DOW CORNING(R) 737 NEUTRAL CURE SEALANT - WHITE

Version 3.2      Revision Date: 09/12/2017      SDS Number: 637108-00011      Date of last issue: 05/02/2017  
Date of first issue: 10/16/2014

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

### Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

### Storage:

P405 Store locked up.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture  
Chemical nature : Silicone elastomer

### Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Silicon dioxide	7631-86-9	$\geq 10 - \leq 11$
Methyltri(ethylmethylketoxime)silane	22984-54-9	$\geq 3 - \leq 4$
Vinyltri (methylethylketoxime) silane	2224-33-1	$\geq 1.5 - \leq 1.6$
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	1760-24-3	$\geq 0.55 - \leq 0.57$
Titanium dioxide	13463-67-7	$\geq 0.32 - \leq 0.8$
Methyltri(ethylmethylketoxime)silane isomers and oligomers	Not Assigned	$\geq 0.35 - \leq 0.36$
Dimethylbis[(1-oxoneodecyl)oxy]stannane	68928-76-7	$\geq 0.19 - \leq 0.2$

**DOW CORNING(R) 737 NEUTRAL CURE  
SEALANT - WHITE**

Version 3.2	Revision Date: 09/12/2017	SDS Number: 637108-00011	Date of last issue: 05/02/2017 Date of first issue: 10/16/2014
----------------	------------------------------	-----------------------------	---

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**SECTION 4. FIRST AID MEASURES**

- |   |   |
|---|---|
| General advice  | : In the case of accident or if you feel unwell, seek medical advice immediately.<br>When symptoms persist or in all cases of doubt seek medical advice.  |
| If inhaled  | : If inhaled, remove to fresh air.<br>Get medical attention.  |
| In case of skin contact                                     | : In case of contact, immediately flush skin with soap and plenty of water.<br>Remove contaminated clothing and shoes.<br>Get medical attention.<br>Wash clothing before reuse.<br>Thoroughly clean shoes before reuse. |
| In case of eye contact                                      | : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.<br>If easy to do, remove contact lens, if worn.<br>Get medical attention.  |
| If swallowed  | : If swallowed, DO NOT induce vomiting.<br>Get medical attention.<br>Rinse mouth thoroughly with water.   |
| Most important symptoms and effects, both acute and delayed | : May cause an allergic skin reaction.<br>Causes serious eye irritation.<br>Suspected of damaging the unborn child.<br>May cause damage to organs through prolonged or repeated exposure if swallowed.                  |
| Protection of first-aiders                                  | : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.   |
| Notes to physician  | : Treat symptomatically and supportively.   |

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**SECTION 5. FIRE-FIGHTING MEASURES**

- |                                       |  |
|---------------------------------------|--|
| Suitable extinguishing media          | : Water spray<br>Alcohol-resistant foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical                 |
| Unsuitable extinguishing media        | : None known.  |
| Specific hazards during fire fighting | : Vapors may form explosive mixtures with air.<br>Exposure to combustion products may be a hazard to health. |

**DOW CORNING(R) 737 NEUTRAL CURE  
SEALANT - WHITE**

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

- Hazardous combustion products : Carbon oxides  
Silicon oxides  
Formaldehyde  
Nitrogen oxides (NOx)
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Follow safe handling advice and personal protective equipment recommendations.
- Environmental precautions : Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material.  
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.  
Clean up remaining materials from spill with suitable absorbent.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

**SECTION 7. HANDLING AND STORAGE**

- Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- Local/Total ventilation : Use only with adequate ventilation.
- Advice on safe handling : Do not get on skin or clothing.  
Do not swallow.  
Do not get in eyes.  
Handle in accordance with good industrial hygiene and safety

# SAFETY DATA SHEET



## DOW CORNING(R) 737 NEUTRAL CURE SEALANT - WHITE

Version 3.2      Revision Date: 09/12/2017      SDS Number: 637108-00011      Date of last issue: 05/02/2017  
Date of first issue: 10/16/2014

practice, based on the results of the workplace exposure assessment  
Keep away from water.  
Protect from moisture.  
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labeled containers.  
Store in accordance with the particular national regulations.

Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Silicon dioxide	7631-86-9	TWAEV (respirable dust)	6 mg/m <sup>3</sup>	CA QC OEL
		TWA (Respirable)	1.5 mg/m <sup>3</sup>	CA BC OEL
		TWA (Total)	4 mg/m <sup>3</sup>	CA BC OEL
Titanium dioxide	13463-67-7	TWA	10 mg/m <sup>3</sup>	CA AB OEL
		TWAEV (total dust)	10 mg/m <sup>3</sup>	CA QC OEL
		TWA (Total dust)	10 mg/m <sup>3</sup>	CA BC OEL
		TWA (respirable dust fraction)	3 mg/m <sup>3</sup>	CA BC OEL
		TWA	10 mg/m <sup>3</sup> (Titanium dioxide)	ACGIH
Dimethylbis[(1-oxodecyl)oxy]stannane	68928-76-7	TWA	0.1 mg/m <sup>3</sup> (Tin)	CA AB OEL
		STEL	0.2 mg/m <sup>3</sup> (Tin)	CA AB OEL
		TWAEV	0.1 mg/m <sup>3</sup> (Tin)	CA QC OEL
		STEV	0.2 mg/m <sup>3</sup> (Tin)	CA QC OEL
		TWA	0.1 mg/m <sup>3</sup> (Tin)	CA BC OEL
		STEL	0.2 mg/m <sup>3</sup> (Tin)	CA BC OEL
		TWA	0.1 mg/m <sup>3</sup> (Tin)	CA ON OEL
		TWA	0.1 mg/m <sup>3</sup> (Tin)	ACGIH

## SAFETY DATA SHEET



# DOW CORNING(R) 737 NEUTRAL CURE SEALANT - WHITE

Version 3.2      Revision Date: 09/12/2017      SDS Number: 637108-00011      Date of last issue: 05/02/2017  
Date of first issue: 10/16/2014

		STEL	0.2 mg/m <sup>3</sup> (Tin)	ACGIH
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**These substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard.**

Silicon dioxide

Titanium dioxide

## Occupational exposure limits of decomposition products

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethyl methyl ketoxime	96-29-7	TWA	10 ppm	US WEEL

**Engineering measures** : Processing may form hazardous compounds (see section 10).  
Ensure adequate ventilation, especially in confined areas.  
Minimize workplace exposure concentrations.

## Personal protective equipment

**Respiratory protection** : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

**Filter type** : Organic vapor Type

**Hand protection**

**Material** : Chemical-resistant gloves

**Remarks** : Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often!  
For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

**Eye protection** : Wear the following personal protective equipment:  
Safety goggles

**Skin and body protection** : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.  
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

**Hygiene measures** : Ensure that eye flushing systems and safety showers are located close to the working place.  
When using do not eat, drink or smoke.

# SAFETY DATA SHEET



## DOW CORNING(R) 737 NEUTRAL CURE SEALANT - WHITE

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

Wash contaminated clothing before re-use.  
These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	paste
Color	:	white
Odor	:	slight
Odor Threshold	:	No data available
pH	:	Not applicable
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	Not applicable
Flash point	:	98 °C Method: Tag closed cup
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	Not classified as a flammability hazard
Self-ignition	:	The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	Not applicable
Relative vapor density	:	No data available
Relative density	:	1.04
Solubility(ies) Water solubility	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available

# SAFETY DATA SHEET



## DOW CORNING(R) 737 NEUTRAL CURE SEALANT - WHITE

Version 3.2	Revision Date: 09/12/2017	SDS Number: 637108-00011	Date of last issue: 05/02/2017 Date of first issue: 10/16/2014
----------------	------------------------------	-----------------------------	---

Viscosity  
Viscosity, dynamic : Not applicable

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Molecular weight : No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Vapors may form explosive mixture with air.  
Use at elevated temperatures may form highly hazardous compounds.  
Can react with strong oxidizing agents.  
Methyl Ethyl Ketoxime (MEKO) is formed upon contact with water or humid air.  
Hazardous decomposition products will be formed upon contact with water or humid air.  
Hazardous decomposition products will be formed at elevated temperatures.

Conditions to avoid : Exposure to moisture.

Incompatible materials : Oxidizing agents  
Water

#### Hazardous decomposition products

Contact with water or humid air : Ethyl methyl ketoxime

Thermal decomposition : Formaldehyde

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Skin contact  
Ingestion  
Eye contact

#### Acute toxicity

Not classified based on available information.

#### Ingredients:

**Silicon dioxide:**



**DOW CORNING(R) 737 NEUTRAL CURE  
SEALANT - WHITE**

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

Acute oral toxicity : LD50 (Rat): > 3,300 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: Information taken from reference works and the literature.

Acute inhalation toxicity : LC50 (Rat): > 2.08 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Information taken from reference works and the literature.

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: Information taken from reference works and the literature.

**Methyltri(ethylmethyletoxime)silane:**

Acute oral toxicity : LD50 (Rat): > 2,520 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: On basis of test data.

**Vinyltri (methylethyletoxime) silane:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: On basis of test data.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: On basis of test data.

**N-(3-(Trimethoxysilyl)propyl)ethylenediamine:**

Acute oral toxicity : LD50 (Rat): 2,295 mg/kg  
Remarks: On basis of test data.

Acute inhalation toxicity : LC50 (Rat): > 1.49 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Remarks: On basis of test data.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: On basis of test data.

**DOW CORNING(R) 737 NEUTRAL CURE  
SEALANT - WHITE**

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

---

**Titanium dioxide:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 6.82 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

**Dimethylbis[(1-oxoneodecyl)oxy]stannane:**

Acute oral toxicity : LD50 (Rat): 894 mg/kg  
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation**

Not classified based on available information.

**Ingredients:****Silicon dioxide:**

Result: No skin irritation  
Remarks: Information taken from reference works and the literature.

**Methyltri(ethylmethylketoxime)silane:**

Species: Rabbit  
Result: No skin irritation  
Remarks: Based on data from similar materials

**N-(3-(Trimethoxysilyl)propyl)ethylenediamine:**

Species: Rabbit  
Result: Mild skin irritation  
Remarks: On basis of test data.

**Titanium dioxide:**

Species: Rabbit  
Result: No skin irritation

**Dimethylbis[(1-oxoneodecyl)oxy]stannane:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.

# SAFETY DATA SHEET



## DOW CORNING(R) 737 NEUTRAL CURE SEALANT - WHITE

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

---

### **Ingredients:**

#### **Silicon dioxide:**

Result: No eye irritation

Remarks: Information taken from reference works and the literature.

#### **Methyltri(ethylmethyletoxime)silane:**

Species: Rabbit

Result: Irritation to eyes, reversing within 7 days

Remarks: On basis of test data.

#### **Vinyltri (methylethyletoxime) silane:**

Species: Rabbit

Result: Irreversible effects on the eye

Remarks: On basis of test data.

#### **N-(3-(Trimethoxysilyl)propyl)ethylenediamine:**

Species: Rabbit

Result: Irreversible effects on the eye

Remarks: On basis of test data.

#### **Titanium dioxide:**

Species: Rabbit

Result: No eye irritation

#### **Methyltri(ethylmethyletoxime)silane isomers and oligomers:**

Species: Rabbit

Result: Irritation to eyes, reversing within 7 days

Remarks: Based on data from similar materials

#### **Dimethylbis[(1-oxodecyl)oxy]stannane:**

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

### **Respiratory or skin sensitization**

#### **Skin sensitization**

May cause an allergic skin reaction.

#### **Respiratory sensitization**

Not classified based on available information.

### **Ingredients:**

#### **Silicon dioxide:**

Assessment: Does not cause skin sensitization.

Test Type: Skin: test type not specified

# SAFETY DATA SHEET



## DOW CORNING(R) 737 NEUTRAL CURE SEALANT - WHITE

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

---

Species: Guinea pig  
Result: negative  
Remarks: Information taken from reference works and the literature.

### **Methyltri(ethylmethyletoxime)silane:**

Assessment: Probability or evidence of skin sensitization in humans

Test Type: Maximization Test  
Species: Guinea pig  
Result: positive  
Remarks: On basis of test data.

### **Vinyltri (methylethyletoxime) silane:**

Assessment: Probability or evidence of skin sensitization in humans

Test Type: Maximization Test  
Species: Guinea pig  
Remarks: Based on data from similar materials

### **N-(3-(Trimethoxysilyl)propyl)ethylenediamine:**

Assessment: Probability or evidence of skin sensitization in humans

Test Type: Maximization Test  
Species: Guinea pig  
Result: positive  
Remarks: Information taken from reference works and the literature.

### **Titanium dioxide:**

Test Type: Local lymph node assay (LLNA)  
Routes of exposure: Skin contact  
Species: Mouse  
Result: negative

### **Methyltri(ethylmethyletoxime)silane isomers and oligomers:**

Assessment: Probability or evidence of skin sensitization in humans

Test Type: Maximization Test  
Species: Guinea pig  
Remarks: Based on data from similar materials

### **Germ cell mutagenicity**

Not classified based on available information.

### **Ingredients:**

#### **Silicon dioxide:**

Genotoxicity in vitro : Result: negative  
Remarks: Information taken from reference works and the literature.

**DOW CORNING(R) 737 NEUTRAL CURE  
SEALANT - WHITE**

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

---

Genotoxicity in vivo : Application Route: Ingestion  
Result: negative  
Remarks: Information taken from reference works and the literature.

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

**Methyltri(ethylmethyletoxime)silane:**

Genotoxicity in vitro : Test Type: Mutagenicity (in vitro mammalian cytogenetic test)  
Result: negative  
Remarks: On basis of test data.

**Vinyltri (methylethyletoxime) silane:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative  
Remarks: On basis of test data.

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Species: Mouse  
Application Route: Intraperitoneal injection  
Result: negative  
Remarks: On basis of test data.

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

**Titanium dioxide:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Species: Mouse  
Result: negative

**Dimethylbis[(1-oxoneodecyl)oxy]stannane:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Method: OECD Test Guideline 471  
Result: negative

**Carcinogenicity**

Not classified based on available information.

**Ingredients:****Titanium dioxide:**

Species: Rat  
Application Route: inhalation (dust/mist/fume)  
Exposure time: 24 Months  
Method: OECD Test Guideline 453

**DOW CORNING(R) 737 NEUTRAL CURE  
SEALANT - WHITE**

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

---

Result: positive

Remarks: The mechanism or mode of action may not be relevant in humans.

These substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard.

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in inhalation studies with animals.

**Reproductive toxicity**

Suspected of damaging the unborn child.

**Ingredients:**
**Methyltri(ethylmethyletoxime)silane:**

Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
 Species: Rat, male and female  
 Application Route: Ingestion  
 Symptoms: No effects on fertility.  
 Remarks: On basis of test data.

Effects on fetal development : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
 Species: Rat, male and female  
 Application Route: Ingestion  
 Symptoms: No effects on fetal development.  
 Remarks: On basis of test data.

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

**N-(3-(Trimethoxysilyl)propyl)ethylenediamine:**

Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
 Application Route: Ingestion  
 Symptoms: No effects on fertility.  
 Remarks: On basis of test data.

Effects on fetal development : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
 Application Route: Ingestion  
 Symptoms: No effects on fetal development.  
 Remarks: On basis of test data.

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

**Dimethylbis[(1-oxoneodecyl)oxy]stannane:**

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

**DOW CORNING(R) 737 NEUTRAL CURE  
SEALANT - WHITE**

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

---

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

May cause damage to organs (Blood) through prolonged or repeated exposure if swallowed.

**Ingredients:****Methyltri(ethylmethylketoxime)silane:**

Routes of exposure: Ingestion

Target Organs: Blood

Assessment: Shown to produce significant health effects in animals at concentrations of >10 to 100 mg/kg bw.

**Vinyltri (methylethylketoxime) silane:**

Routes of exposure: Ingestion

Target Organs: Blood

Assessment: Shown to produce significant health effects in animals at concentrations of >10 to 100 mg/kg bw.

**N-(3-(Trimethoxysilyl)propyl)ethylenediamine:**

Routes of exposure: Ingestion

Assessment: No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

**Methyltri(ethylmethylketoxime)silane isomers and oligomers:**

Routes of exposure: Ingestion

Target Organs: Blood

Assessment: Shown to produce significant health effects in animals at concentrations of >10 to 100 mg/kg bw.

**Dimethylbis[(1-oxoneodecyl)oxy]stannane:**

Routes of exposure: Ingestion

Target Organs: Immune system, Central nervous system

Assessment: Shown to produce significant health effects in animals at concentrations of 10 mg/kg bw or less.

**Repeated dose toxicity****Ingredients:****Methyltri(ethylmethylketoxime)silane:**

Species: Rat

Application Route: Ingestion

Target Organs: Blood

Remarks: On basis of test data.

**Vinyltri (methylethylketoxime) silane:**

Species: Rat

Application Route: Ingestion

# SAFETY DATA SHEET



## DOW CORNING(R) 737 NEUTRAL CURE SEALANT - WHITE

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

---

Target Organs: Blood  
Remarks: Based on data from similar materials

### **N-(3-(Trimethoxysilyl)propyl)ethylenediamine:**

Application Route: Ingestion  
Remarks: On basis of test data.

### **Titanium dioxide:**

Species: Rat  
NOAEL: 24,000 mg/kg  
Application Route: Ingestion  
Exposure time: 28 Days

Species: Rat  
NOAEL: 10 mg/m<sup>3</sup>  
Application Route: inhalation (dust/mist/fume)  
Exposure time: 2 y  
Remarks: These substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard.

### **Methyltri(ethylmethyletoxime)silane isomers and oligomers:**

Species: Rat  
Application Route: Ingestion  
Target Organs: Blood  
Remarks: Based on data from similar materials

### **Dimethylbis[(1-oxoneodecyl)oxy]stannane:**

Species: Rat  
NOAEL: < 1.6 mg/kg  
Application Route: Ingestion  
Exposure time: 90 Days  
Remarks: Based on data from similar materials

### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

#### **Product:**

Remarks: During use of the material, small amounts of methylethylketoxime (MEKO) will be released. Rodents exposed to chronic MEKO inhalation throughout their lifetimes showed significant increases in liver tumor rates.



**DOW CORNING(R) 737 NEUTRAL CURE  
SEALANT - WHITE**

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Ingredients:****Methyltri(ethylmethyletoxime)silane:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 120 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 120 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: Based on data from similar materials

Toxicity to algae : ErC50 (Selenastrum capricornutum (green algae)): 94 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

**Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.

**Vinyltri (methylethyletoxime) silane:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 120 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

LC50 (Oryzias latipes (Orange-red killifish)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

**N-(3-(Trimethoxysilyl)propyl)ethylenediamine:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 597 mg/l  
Exposure time: 96 h  
Method: Directive 67/548/EEC, Annex V, C.1.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia sp. (Water flea)): 81 mg/l  
Exposure time: 48 h  
Method: Directive 67/548/EEC, Annex V, C.2.

EC50 (Daphnia magna (Water flea)): 90 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: On basis of test data.

Toxicity to algae : ErC50 (Selenastrum capricornutum (green algae)): 8.8 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

**DOW CORNING(R) 737 NEUTRAL CURE  
SEALANT - WHITE**

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

---

NOEC (Selenastrum capricornutum (green algae)): 3.1 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to microorganisms : EC50 (Pseudomonas putida): 67 mg/l  
Exposure time: 16 h  
Method: DIN 38 412 Part 8

**Titanium dioxide:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
aquatic invertebrates  
Exposure time: 48 h

Toxicity to algae : EC50 (Skeletonema costatum (marine diatom)): > 10,000 mg/l  
Exposure time: 72 h

Toxicity to microorganisms : EC50: > 1,000 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

**Dimethylbis[(1-oxoneodecyl)oxy]stannane:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: Based on data from similar materials

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 17 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: Based on data from similar materials

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): 37 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

EC10 (Desmodesmus subspicatus (green algae)): 5.7 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

**Persistence and degradability****Ingredients:****Methyltri(ethylmethylketoxime)silane:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 0 %

**DOW CORNING(R) 737 NEUTRAL CURE  
SEALANT - WHITE**

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

---

Exposure time: 28 d  
Method: OECD Test Guideline 301A  
Remarks: Based on data from similar materials

**Vinyltri (methylethylketoxime) silane:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 0 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301A

Stability in water : Degradation half life: < 1 min (2 °C)  
Method: OECD Test Guideline 111

**N-(3-(Trimethoxysilyl)propyl)ethylenediamine:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 39 %  
Method: OECD Test Guideline 301A

Stability in water : Degradation half life: 0.025 h (24.7 °C) pH: 7  
Method: OECD Test Guideline 111

**Dimethylbis[(1-oxoneodecyl)oxy]stannane:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 3 %  
Exposure time: 35 d  
Method: OECD Test Guideline 301F  
Remarks: Based on data from similar materials

**Bioaccumulative potential****Ingredients:****Methyltri(ethylmethylketoxime)silane:**

Partition coefficient: n- : log Pow: 11.2  
octanol/water

**N-(3-(Trimethoxysilyl)propyl)ethylenediamine:**

Partition coefficient: n- : log Pow: -0.3  
octanol/water

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**DOW CORNING(R) 737 NEUTRAL CURE  
SEALANT - WHITE**

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

**SECTION 14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation****TDG**

Not regulated as a dangerous good

**SECTION 15. REGULATORY INFORMATION****The ingredients of this product are reported in the following inventories:**

REACH : For purchases from Dow Corning EU legal entities, all ingredients are currently pre/registered or exempt under REACH. Please refer to section 1 for recommended uses. For purchases from non-EU Dow Corning legal entities with the intention to export into EEA please contact your DC representative/local office.

TSCA : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

AICS : All ingredients listed or exempt.

IECSC : All ingredients listed or exempt.

PICCS : All ingredients listed or exempt.

DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

# DOW CORNING(R) 737 NEUTRAL CURE SEALANT - WHITE

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

TCSI : All ingredients listed or exempt.

## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
CA AB OEL	: Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL	: Canada. British Columbia OEL
CA ON OEL	: Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.
CA QC OEL	: Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for air-borne contaminants
US WEEL	: USA. Workplace Environmental Exposure Levels (WEEL)
ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit
CA AB OEL / TWA	: 8-hour Occupational exposure limit
CA AB OEL / STEL	: 15-minute occupational exposure limit
CA BC OEL / TWA	: 8-hour time weighted average
CA BC OEL / STEL	: short-term exposure limit
CA ON OEL / TWA	: Time-Weighted Average Limit (TWA)
CA QC OEL / TWA EV	: Time-weighted average exposure value
CA QC OEL / STEV	: Short-term exposure value
US WEEL / TWA	: 8-hr TWA

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concern-

# SAFETY DATA SHEET



## DOW CORNING(R) 737 NEUTRAL CURE SEALANT - WHITE

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2017
3.2	09/12/2017	637108-00011	Date of first issue: 10/16/2014

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ing the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 09/12/2017

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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