DOW CORNING(R) 795 SILICONE BUILDING SEALANT, BLACK



Version 3.3

Revision Date:

09/14/2017

SDS Number: 1099109-00010

Date of last issue: 03/09/2017

Date of first issue: 01/13/2015

SECTION 1. IDENTIFICATION

Product name

DOW CORNING(R) 795 SILICONE BUILDING SEALANT,

BLACK

Product code

000000000001595709

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

Reproductive toxicity

: Category 2

GHS label elements

Hazard pictograms



Signal Word

: Warning

Hazard Statements

H361d Suspected of damaging the unborn child.

Precautionary Statements

Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read

and understood.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/

attention.

Storage:

P405 Store locked up.





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Disposal:

P501 Dispose of contents/ container to an approved waste dis-

posal 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)		
Calcium carbonate treated with stearic acid	Not Assigned	>= 51 - <= 52		
Amorphous fumed silica	112945-52-5	>= 3 - <= 4		
Carbon black	1333-86-4	>= 0.46 - <= 0.94		
Quartz	14808-60-7	>= 0.2 - <= 0.21		
Methanol	67-56-1	>= 0.18 - <= 0.19		

SECTION 4. FIRST AID MEASURES

General advice

: In the case of accident or if you feel unwell, seek medical

advice immediately.

When symptoms persist or in all cases of doubt seek medical

advice.

If inhaled

If inhaled, remove to fresh air.

Get medical attention.

In case of skin contact

In case of contact, immediately flush skin with soap and plenty

of water.

Remove contaminated clothing and shoes.

Get medical attention. Wash clothing before reuse.

Thoroughly clean shoes before reuse.

In case of eye contact

Flush eyes with water as a precaution.

Get medical attention if irritation develops and persists.

If swallowed

If swallowed, DO NOT induce vomiting.

Get medical attention.

Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and

delayed

: Suspected of damaging the unborn child.

Protection of first-aiders

: First Aid responders should pay attention to self-protection.

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and use the recommended personal protective equipment

when the potential for exposure exists.

Notes to physician

Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media :

Water spray

Alcohol-resistant foam Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

None known.

Specific hazards during fire

fighting

Vapors may form explosive mixtures with air.

Exposure to combustion products may be a hazard to health.

Hazardous combustion prod: :

ucts

Carbon oxides

Metal oxides Formaldehyde Silicon oxides

Specific extinguishing meth-

ods

Use extinguishing measures that are appropriate to local cir-

cumstances 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 emer-

gency 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.

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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 swallow.

Avoid contact with eyes.

Avoid prolonged or repeated contact with skin.

Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure

assessment

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 parame- ters / Permissible concentration	Basis
Calcium carbonate treated with stearic acid	Not Assigned	TWAEV (to- tal dust)	10 mg/m³	CA QC OEL
		TWA	10 mg/m³ (Calcium car- bonate)	CA AB OEL
Amorphous fumed silica	112945-52-5	TWAEV (respirable dust)	6 mg/m³	CA QC OEL
		TWA (Res- pirable)	1.5 mg/m³	CA BC OEL
		TWA (Total)	4 mg/m³	CA BC OEL
Carbon black	1333-86-4	TWA	3.5 mg/m ³	CA AB OEL
		TWA (Inhal- able)	3 mg/m³	CA BC OEL
		TWAEV	3.5 mg/m ³	CA QC OEL
		TWA	3 mg/m³	ACGIH





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		(Inhalable fraction)		
Quartz	14808-60-7	TWA (Respirable fraction)	0.1 mg/m³	CA ON OEL
		TWA (Res- pirable par- ticulates)	0.025 mg/m ³	CA AB OEL
		TWAEV (respirable dust)	0.1 mg/m ³	CA QC OEL
		TWA (Respirable)	0.025 mg/m³ (Silica)	CA BC OEL
		TWA (Respirable fraction)	0.025 mg/m³ (Silica)	ACGIH
Methanol	67-56-1	TWA	200 ppm 262 mg/m³	CA AB OEL
		STEL	250 ppm 328 mg/m³	CA AB OEL
		TWA	200 ppm	CA BC OEL
		STEL	250 ppm	CA BC OEL
		TWAEV	200 ppm 262 mg/m³	CA QC OEL
		STEV	250 ppm 328 mg/m³	CA QC OEL
		TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH

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

Calcium carbonate treated with stearic acid

Amorphous fumed silica

Carbon black

Quartz

Biological occupational exposure limits

Ingredients	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra-tion	Basis
Methanol	67-56-1	Methanol	Urine	End of shift (As soon as possible after exposure ceases)	15 mg/l	ACGIH BEI

Engineering measures

: Processing may form hazardous compounds (see section

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10).

Ensure adequate ventilation, especially in confined areas.

Minimize workplace exposure concentrations.

Personal protective equipment

Respiratory protection

No personal respiratory protective equipment normally

required.

Hand protection

Material

Chemical-resistant gloves

Remarks

For prolonged or repeated contact use protective gloves. 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 glasses

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.
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

: black

Odor

: slight

Odor Threshold

: No data available

рН

: Not applicable

Melting point/freezing point

No data available

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Initial boiling point and boiling : Not applicable

range

Flash point

: 91 °C

Method: Seta 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

1.52

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

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

Particle size

No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

: Not classified as a reactivity hazard.

Chemical stability

Stable under normal conditions.

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Possibility of hazardous reac-

tions

Vapors may form explosive mixture with air.

Use at elevated temperatures may form highly hazardous

compounds.

Can react with strong oxidizing agents.

Methyl alcohol is formed upon contact with water or humid air. Hazardous decomposition products will be formed at elevated

temperatures.

Conditions to avoid

None known.

Incompatible materials

Oxidizing agents

Hazardous decomposition products

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.

Product:

Acute oral toxicity

Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Acute inhalation toxicity

Acute toxicity estimate: > 40 mg/l

Exposure time: 4 h Test atmosphere: vapor Method: Calculation method

Acute dermal toxicity

Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Ingredients:

Amorphous fumed silica:

Acute oral toxicity

: LD50 (Rat): > 20,000 mg/kg

Assessment: The substance or mixture has no acute oral tox-

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

Remarks: Based on data from similar materials

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Information taken from reference works and the literature.

Carbon black:

Acute oral toxicity

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

Acute inhalation toxicity

: LC50 (Rat): > 0.0046 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity

LD50 (Rabbit): > 3,000 mg/kg

Quartz:

Acute oral toxicity

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

Methanol:

Acute oral toxicity

Acute toxicity estimate (Humans): 300 mg/kg

Method: Expert judgment

LD50 (Rat, female): 12.25 ml/kg

Acute inhalation toxicity

Acute toxicity estimate: 3 mg/l

Exposure time: 4 h
Test atmosphere: vapor
Method: Expert judgment

Remarks: Based on harmonised classification in EU regulation

1272/2008, Annex VI

Acute dermal toxicity

Acute toxicity estimate (Humans): 300 mg/kg

Method: Expert judgment

Skin corrosion/irritation

Not classified based on available information.

Ingredients:

Amorphous fumed silica:

Species: Rabbit

Result: No skin irritation

Remarks: Based on data from similar materials

Information taken from reference works and the literature.

Carbon black:

Species: Rabbit

Result: No skin irritation

Methanol:

Species: Rabbit

Result: No skin irritation

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Serious eye damage/eye irritation

Not classified based on available information.

Ingredients:

Amorphous fumed silica:

Species: Rabbit

Result: No eye irritation

Remarks: Based on data from similar materials

Information taken from reference works and the literature.

Carbon black:

Species: Rabbit

Result: No eye irritation

Methanol:

Species: Rabbit

Result: No eye irritation

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Ingredients:

Carbon black:

Test Type: Buehler Test

Routes of exposure: Skin contact

Species: Guinea pig

Method: OECD Test Guideline 406

Result: negative

Methanol:

Test Type: Maximization Test Routes of exposure: Skin contact

Species: Guinea pig

Result: negative

Germ cell mutagenicity

Not classified based on available information.

Ingredients:

Carbon black:

Genotoxicity in vitro

Test Type: Bacterial reverse mutation assay (AMES)

Result: negative

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Methanol:

Genotoxicity in vitro

: Test Type: Bacterial reverse mutation assay (AMES)

Method: OECD Test Guideline 471

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Result: negative

Genotoxicity in vivo

Test Type: Mammalian erythrocyte micronucleus test (in vivo

cytogenetic assay) Species: Mouse

Application Route: Intraperitoneal injection

Result: negative

Carcinogenicity

Not classified based on available information.

Ingredients:

Carbon black:

Species: Rat

Application Route: Inhalation Exposure time: 2 Years Result: positive Target Organs: Lungs

Remarks: These substance(s) are inextricably bound in the product and therefore do not contrib-

ute to a dust inhalation hazard.

Carcinogenicity - Assess-

: Limited evidence of carcinogenicity in animal studies

ment

Quartz:

Species: Humans

Application Route: inhalation (dust/mist/fume)

Result: positive

Remarks: IARC: (International Agency for Research on Cancer)

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

dust inhalation hazard.

Carcinogenicity - Assess-

Positive evidence from human epidemiological studies (inhalation)

ment

Methanol:

Species: Mouse

Application Route: inhalation (vapor)

Exposure time: 18 Months

Result: negative

Reproductive toxicity

Suspected of damaging the unborn child.

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Ingredients:

Methanol:

Effects on fertility

Test Type: Fertility/early embryonic development

Species: Mouse

Application Route: Ingestion

Result: negative

Effects on fetal development

Test Type: Embryo-fetal development

Species: Mouse

Application Route: Ingestion

Result: positive

Remarks: The effects were seen only at maternally toxic dos-

es.

Reproductive toxicity - As-

sessment

Some evidence of adverse effects on development, based on

animal experiments.

STOT-single exposure

Not classified based on available information.

Ingredients:

Methanol:

Target Organs: Eyes, Central nervous system Assessment: Causes damage to organs.

STOT-repeated exposure

Not classified based on available information.

Ingredients:

Carbon black:

Routes of exposure: inhalation (dust/mist/fume)

Assessment: No significant health effects observed in animals at concentrations of 0.2 mg/l/6h/d or less.

Quartz:

Routes of exposure: inhalation (dust/mist/fume)

Target Organs: Lungs

Assessment: Shown to produce significant health effects in animals at concentrations of 0.02 mg/l/6h/d or less.

Repeated dose toxicity

Ingredients:

Carbon black:

Species: Rat NOAEL: 1 mg/m³ LOAEL: 7 mg/m³

Application Route: Inhalation

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Test atmosphere: dust/mist Exposure time: 90 Days

Remarks: These substance(s) are inextricably bound in the product and therefore do not

contribute to a dust inhalation hazard.

Quartz:

Species: Humans LOAEL: 0.053 mg/m3

Application Route: Inhalation

Remarks: These substance(s) are inextricably bound in the product and therefore do not

contribute to a dust inhalation hazard.

Methanol:

Species: Rat NOAEL: 1.06 mg/l

Application Route: inhalation (vapor)

Exposure time: 90 Days

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Ingredients:

Carbon black:

Toxicity to fish

: LC0 (Danio rerio (zebra fish)): 1,000 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 5,600 mg/l

Exposure time: 24 h

Method: OECD Test Guideline 202

Toxicity to algae

NOEC (Desmodesmus subspicatus (green algae)): 10,000

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Quartz:

Ecotoxicology Assessment

Acute aquatic toxicity

No toxicity at the limit of solubility.

Chronic aquatic toxicity

: No toxicity at the limit of solubility.

Methanol:

Toxicity to fish

: LC50 (Lepomis macrochirus (Bluegill sunfish)): 15,400 mg/l

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Exposure time: 96 h

Toxicity to daphnia and other:

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 10,000 mg/l

Exposure time: 48 h

Toxicity to algae

EC50 (Pseudokirchneriella subcapitata (green algae)): 22,000

Exposure time: 96 h

Method: OECD Test Guideline 201

Toxicity to fish (Chronic tox-

icity)

NOEC (Oryzias latipes (Orange-red killifish)): 15,800 mg/l

Exposure time: 200 h

Toxicity to microorganisms

IC50: > 1,000 mg/l

Exposure time: 3 h

Persistence and degradability

Ingredients:

Methanol:

Biodegradability

Result: Readily biodegradable.

Biodegradation: 95 % Exposure time: 20 d

Bioaccumulative potential

Ingredients:

Methanol:

Bioaccumulation

Species: Leuciscus idus (Golden orfe)

Bioconcentration factor (BCF): < 10

Partition coefficient: n-

octanol/water

: log Pow: -0.77

Mobility in soil

No data available

Other adverse effects

No data available

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.

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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:

NZIoC

: All ingredients listed or exempt.

AICS

All ingredients listed or exempt.

IECSC

: All ingredients listed or exempt,

ENCS/ISHL

All components are listed on ENCS/ISHL or exempted from

inventory listing.

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).

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.

KECI

: All ingredients listed, exempt or notified.

TCSI

: All ingredients listed or exempt.

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SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)

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 safe-

ty, Schedule 1, Part 1: Permissible exposure values for air-

borne contaminants

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 / TWAEV : Time-weighted average exposure value

CA QC OEL / STEV : Short-term exposure value

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 concerning 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

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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 Agen-

cy, http://echa.europa.eu/

Revision Date

09/14/2017

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

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