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SECTION	1. IDENTIFICATION					
Product name		:	DOW CORNING(R) 3145 RTV MIL-A-46146 ADHESIVE/SEALANT-GRAY			
Product code		:	0000000000010	59548		
Man	Manufacturer or supplier's details					
Company name of supplier		:	Dow Corning Co	rporation		
Address		:	South Saginaw F Midland Michiga			
Telep	Telephone		(989) 496-6000			
Emergency telephone		:	24 Hour Emerger CHEMTREC : (80	ncy Telephone : (989) 496-5900 00) 424-9300		
Reco	ommended use of the o	chen	nical and restriction	ons on use		
Recommended use		:	Adhesive, binding Electrical industry			

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SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Skin sensitization	Category 1	
Reproductive toxicity	Category 2	
GHS Label element Hazard pictograms		
Signal Word	Warning	
Hazard Statements	H317 May cause an allergic skin reaction. H361 Suspected of damaging fertility or 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. P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection 	

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		P308 + P313 IF attention. P333 + P313 If attention. P363 Wash cor Storage: P405 Store lock Disposal:	ON SKIN: Wash with plenty of soap and water. exposed or concerned: Get medical advice/ skin irritation or rash occurs: Get medical advice/ ntaminated clothing before reuse.
Othe	r hazards		
None	known.		

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	: Mixture
---------------------	-----------

Chemical nature :	Silicone elastomer
-------------------	--------------------

Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)
Hexamethyldisilazane reaction with Silica	68909-20-6	>= 20 - < 30
Methyltrimethoxysilane	1185-55-3	>= 5 - < 10
Titanium dioxide	13463-67-7	>= 1 - < 5
Octamethylcyclotetrasiloxane	556-67-2	>= 0.1 - < 1
Methanol	67-56-1	>= 0.1 - < 1

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 if symptoms occur.
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.

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lf	swallowed	Get medical atter	NOT induce vomiting. ntion if symptoms occur. oughly with water.
Most important symptoms and effects, both acute and delayed		: May cause an all Suspected of dar	ergic skin reaction. naging fertility or the unborn child.
Pr	rotection of first-aiders	and use the reco	ers should pay attention to self-protection, mmended personal protective equipment al for exposure exists.
No	otes to physician	: Treat symptomat	ically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO2)
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Silicon oxides Formaldehyde Nitrogen oxides (NOx) Metal 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, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice and personal protective equip- ment recommendations.
Environmental precautions	:	Discharge into the environment must be avoided.

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		Retain and disp	leakage or spillage if safe to do so. ose of contaminated wash water. s should be advised if significant spillages ained.
Methods and materials for containment and cleaning up		For large spills, ment to keep m pumped, store r Clean up remain bent. Local or national posal of this ma employed in the mine which regu Sections 13 and	ert absorbent material. provide diking or other appropriate contain- aterial from spreading. If diked material can be recovered material in appropriate container. ning materials from spill with suitable absor- al regulations may apply to releases and dis- terial, as well as those materials and items e cleanup of releases. You will need to deter- ulations are applicable. d 15 of this SDS provide information regarding 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. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. 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 parame- ters / Permissible concentration	Basis
Hexamethyldisilazane reaction with Silica	68909-20-6	TWA (Dust)	20 Million particles per cubic foot	OSHA Z-3



OSHA Z-1

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			1	(Silica)	
			TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
	Methyltrimethoxysilane	1185-55-3	TWA	50 ppm	DCC OEL
	Titanium dioxide	13463-67-7	TWA (total dust)	15 mg/m3	OSHA Z-1
			TWA	10 mg/m3 (Titanium dioxide)	ACGIH
	Octamethylcyclotetrasiloxane	556-67-2	TWA	10 ppm	DCC OEL
	Methanol	67-56-1	TWA	200 ppm	ACGIH
			STEL	250 ppm	ACGIH
			TWA	200 ppm 260 mg/m3	NIOSH REL
			ST	250 ppm	NIOSH REL

Occupational exposure limits of decomposition products

Ingredients	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Methanol	67-56-1	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 260 mg/m3	NIOSH REL
		ST	250 ppm 325 mg/m3	NIOSH REL
		TWA	200 ppm 260 mg/m3	OSHA Z-1

TWA

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 10).

325 mg/m3

200 ppm 260 mg/m3

Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

Personal protective equipment

Respiratory protection

: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are

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		Follow OSH use NIOSH/ by air purify hazardous o supplied res release, exp	ppropriate respiratory protection should be worn. A respirator regulations (29 CFR 1910.134) and MSHA approved respirators. Protection provided ing respirators against exposure to any chemical is limited. Use a positive pressure air spirator if there is any potential for uncontrolled posure levels are unknown, or any other where air purifying respirators may not provide rotection.
	nd protection Material	: Impervious	gloves
F	on the concentration specific to place of time is not determined for the product. For special applications, we recommen resistance to chemicals of the aforeme		ves to protect hands against chemicals depending entration specific to place of work. Breakthrough letermined for the product. Change gloves often! applications, we recommend clarifying the o chemicals of the aforementioned protective the glove manufacturer. Wash hands before at the end of workday.
Eye	e protection	: Wear the fo Safety glass	llowing personal protective equipment:
Ski	n and body protection	resistance c potential. Skin contac	ppriate protective clothing based on chemical lata and an assessment of the local exposure t must be avoided by using impervious protective lives, aprons, boots, etc).
Hygiene measures		located clos When using Wash conta These preca elevated ter	eye flushing systems and safety showers are e to the working place. do not eat, drink or smoke. minated clothing before re-use. autions are for room temperature handling. Use at nperature or aerosol/spray applications may re- precautions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	paste
Color	:	gray
Odor	:	slight
Odor Threshold	:	No data available
рН	:	Not applicable
Melting point/freezing point	:	No data available

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Initial range	boiling point and boiling	:	Not applicable	
Flash	point	:	Not applicable	
Evapo	pration rate	:	Not applicable	
Flamn	nability (solid, gas)	:	Not classified as	a flammability hazard
Upper	explosion limit	:	No data available	9
Lower	explosion limit	:	No data available	e
Vapor	pressure	:	Not applicable	
Relativ	ve vapor density	:	No data available	9
Relativ	ve density	:	1.12	
Wa Partitio	lity(ies) ter solubility on coefficient: n-	-	No data available No data available	-
	bl/water		No doto ovoilable	
-	inition temperature	•	No data available	
	nposition temperature		No data available	9
Viscos Visc	cosity, dynamic	:	Not applicable	
Explos	sive properties	:	Not explosive	
Oxidiz	ing properties	:	The substance o	r mixture is not classified as oxidizing.
Molec	ular weight	:	No data available	e

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac- tions	:	Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. When heated to temperatures above 180 °C (356 °F) in the presence of air, trace quantities of formaldehyde may be released.

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			See OSHA form Hazardous deco contact with wa	ation is required. naldehyde standard, 29 CFR 1910.1048 omposition products will be formed upon ter or humid air. omposition products will be formed at elevated
Cond	itions to avoid	:	Exposure to mo	visture.
Incon	npatible materials	:	Oxidizing agent Water	S
Co	rdous decomposition pr ntact with water or hu- d air		ts Methanol	
Th	ermal decomposition	:	Formaldehyde	

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of Skin contact Ingestion Eye contact Acute toxicity Not classified based on available	
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:	
Hexamethyldisilazane reaction	n with Silica:
Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg Assessment: The substance or mixture has no acute oral tox- icity Remarks: Based on data from similar materials
Methyltrimethoxysilane: Acute oral toxicity	: LD50 (Rat): 12.3 ml/kg Assessment: The substance or mixture has no acute oral tox- icity Remarks: Information taken from reference works and the

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			literature.	
Acute	e inhalation toxicity	:	LC50 (Rat): > 42. Exposure time: 6 Test atmosphere: Assessment: The tion toxicity Remarks: Based	h vapor substance or mixture has no acute inhala-
Acute	e dermal toxicity	:	LD50 (Rabbit): > 9 Assessment: The toxicity Remarks: Based (substance or mixture has no acute dermal
	ium dioxide: e oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): > 6.8. Exposure time: 4 Test atmosphere: Assessment: The tion toxicity	h
	methylcyclotetrasiloxa e oral toxicity	ane: :	LD50 (Rat): > 4,8 Assessment: The icity Remarks: Based	substance or mixture has no acute oral tox-
Acute	e inhalation toxicity	:	LC50 (Rat): 2975 Exposure time: 4 Test atmosphere: Assessment: The tion toxicity Remarks: Based	h vapor substance or mixture has no acute inhala-
Acute	e dermal toxicity	:	LD50 (Rabbit): > 2 Assessment: The toxicity Remarks: Based	substance or mixture has no acute dermal
	a nol: e oral toxicity	:	Acute toxicity esti Method: Expert ju	mate (Humans): 300 mg/kg dgment
Acute	e inhalation toxicity	:	Acute toxicity esti Test atmosphere: Method: Expert ju	
Acute	e dermal toxicity	:	Acute toxicity esti Method: Expert ju	mate (Humans): 300 mg/kg dgment

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Skin corrosion/irritation

Not classified based on available information.

Ingredients:

Hexamethyldisilazane reaction with Silica: Assessment: Repeated exposure may cause skin dryness or cracking.

Methyltrimethoxysilane:

Species: Rabbit Result: No skin irritation Remarks: Based on test data

Titanium dioxide:

Species: Rabbit Result: No skin irritation

Octamethylcyclotetrasiloxane:

Species: Rabbit Result: No skin irritation Remarks: Based on test data

Methanol:

Species: Rabbit Result: No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Ingredients:

Hexamethyldisilazane reaction with Silica: Species: Rabbit Result: No eye irritation Remarks: Based on data from similar materials

Methyltrimethoxysilane:

Species: Rabbit Result: No eye irritation Remarks: Based on test data

Titanium dioxide:

Species: Rabbit Result: No eye irritation

Octamethylcyclotetrasiloxane:

Species: Rabbit Result: No eye irritation Remarks: Based on test data

Methanol:

Species: Rabbit Result: No eye irritation



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Respiratory or skin sensitization

Skin sensitization: May cause an allergic skin reaction. Respiratory sensitization: Not classified based on available information.

Ingredients:

Methyltrimethoxysilane:

Assessment: Probability or evidence of low to moderate skin sensitization rate in humans

Test Type: Buehler Test Species: Guinea pig Remarks: Based on test data

Titanium dioxide:

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

Octamethylcyclotetrasiloxane:

Assessment: Does not cause skin sensitization.

Test Type: Maximization Test (GPMT) Species: Guinea pig Remarks: Based on test data

Methanol:

Test Type: Maximization Test (GPMT) Routes of exposure: Skin contact Species: Guinea pig Result: negative

Germ cell mutagenicity

Not classified based on available information.

Ingredients:

Hexamethyldisilazane reaction Genotoxicity in vitro	 with Silica: Test Type: Bacterial reverse mutation assay (AMES) Result: negative Remarks: Based on data from similar materials
Methyltrimethoxysilane:	
Genotoxicity in vitro	 Test Type: Bacterial reverse mutation assay (AMES) Result: negative Remarks: Based on test data
Genotoxicity in vivo	 Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Ingestion Result: negative Remarks: Based on test data
Germ cell mutagenicity -	Animal testing did not show any mutagenic effects.

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	Assess	sment			
	Titanium dioxide: Genotoxicity in vitro :		:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
	Genoto	oxicity in vivo	:	 Test Type: In vivo micronucleus test Species: Mouse Result: negative 	
	Octamethylcyclotetrasiloxane: Genotoxicity in vitro :		Test Type: Bacte Result: negative Remarks: Based	rial reverse mutation assay (AMES) on test data	
			:	Test Type: Mutag Result: negative Remarks: Based	genicity (in vitro mammalian cytogenetic test) on test data
			:	Test Type: Chron Result: negative Remarks: Based	nosome aberration test in vitro on test data
			:	Test Type: In vitro malian cells Result: negative Remarks: Based	o sister chromatid exchange assay in mam- on test data
			:	Test Type: DNA of thesis in mamma Result: negative Remarks: Based	
	Genoto	oxicity in vivo	:	cytogenetic assay Species: Rat	e: inhalation (vapor)
				Test Type: Roder Species: Rat Application Route Result: negative Remarks: Based	0
	Germ o Assess	cell mutagenicity - sment	:	Animal testing did	d not show any mutagenic effects.
	Methar Genoto	nol: oxicity in vitro	:		rial reverse mutation assay (AMES) est Guideline 471

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			tro mammalian cell gene mutation test Test Guideline 476 e	
Geno	toxicity in vivo	cytogenetic ass Species: Mouse	te: Intraperitoneal injection	vo
	nogenicity lassified based on ava	ailable information.		
Titan Speci Applic Expos Metho Resul Rema The s		line 453 or mode of action may	not be relevant in humans. and therefore does not contribute to a dus	t
Carcii ment	nogenicity - Assess-	: Limited evidence animals.	e of carcinogenicity in inhalation studies wi	th
Applic Expose Methor	anol: les: Mouse cation Route: inhalatic sure time: 18 Months od: OECD Test Guide It: negative			
IARC	;	Group 2B: Possibl	y carcinogenic to humans	
		Titanium dioxide	13463-6	67-7
OSH	Α		is product present at levels greater than or entified as a carcinogen or potential carcin	
NTP			is product present at levels greater than or entified as a known or anticipated carcinog	
Repro	oductive toxicity			
Suspe	ected of damaging fer	tility or the unborn child		
Methy	dients: yltrimethoxysilane: ts on fertility		bined repeated dose toxicity study with the velopmental toxicity screening test)

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Versior 1.1	n Revision Date: 03/25/2015	MSDS Number: 833575-00002	Date of last issue: 11/26/2014 Date of first issue: 11/26/2014
		Application Ro	effects on fertility.
Ef	fects on fetal development	reproduction/de Species: Rat, r Application Ro	effects on fetal development.
	eproductive toxicity - As- ssment		f adverse effects on sexual function and fertility, nent, based on animal experiments.
	ctamethylcyclotetrasiloxai fects on fertility	: Test Type: Two Species: Rat, r Application Ro	o-generation reproduction toxicity study nale and female ute: inhalation (vapor) ects on fertility. ed on test data
Ef	fects on fetal development	Species: Rabb Application Ro	ute: inhalation (vapor) effects on fetal development.
	eproductive toxicity - As- ssment		e of adverse effects on sexual function and on animal experiments.
	ethanol: fects on fertility	: Test Type: Fer Species: Mous Application Ro Result: negativ	ute: Ingestion
Ef	fects on fetal development	Species: Mous Application Ro Method: OECD Result: positive	ute: Ingestion) Test Guideline 414

STOT-single exposure

Not classified based on available information.

Ingredients:

Methanol:

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

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STOT-repeated exposure

Not classified based on available information.

Ingredients:

Methyltrimethoxysilane:

Routes of exposure: inhalation (vapor)

Assessment: No significant health effects observed in animals at concentrations of 1 mg/l/6h/d or less.

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

Octamethylcyclotetrasiloxane:

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

Routes of exposure: inhalation (vapor) Assessment: No significant health effects observed in animals at concentrations of 1 mg/l/6h/d or less.

Routes of exposure: Skin contact Assessment: No significant health effects observed in animals at concentrations of 200 mg/kg bw or less.

Repeated dose toxicity

Ingredients:

Methyltrimethoxysilane: Species: Rat Application Route: inhalation (vapor) Remarks: Based on test data

Species: Rat **Application Route: Ingestion** Remarks: Based on test data

Titanium dioxide:

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

Species: Rat NOAEL: 10 mg/m3 Application Route: inhalation (dust/mist/fume) Exposure time: 2 y Remarks: The substance is inextricably bound in the product and therefore does not contribute to a dust inhalation hazard.

Octamethylcyclotetrasiloxane:

Species: Rat

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Application Route: Ingestion Remarks: Based on test data

Species: Rat Application Route: inhalation (vapor) Remarks: Based on test data

Species: Rabbit Application Route: Skin contact Remarks: Based on test data

Methanol:

Species: Rat NOAEL: 1.06 mg/l Application Route: inhalation (vapor) Exposure time: 90 d

Aspiration toxicity

Not classified based on available information.

Further information

Ingredients:

Octamethylcyclotetrasiloxane:

Remarks: Results from a 2 year repeated vapor inhalation exposure study to rats of octamethylcyclotetrasiloxane (D4) indicate effects (benign uterine adenomas) in the uterus of female animals. This finding occurred at the highest exposure dose (700 ppm) only. Studies to date have not demonstrated if these effects occur through pathways that are relevant to humans. Based on the available information on its potential to cause harm to human health, Health Canada, in a 2008 screening assessment, has concluded that octamethylcyclotetrasiloxane is not entering the environment in a quantity or concentration or under conditions that constitute or may constitute a danger in Canada to human life or health (http://www.ec.gc.ca/ese-

ees/default.asp?lang=En&n=2481B508-1). Repeated exposure in rats to D4 resulted in protoporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the relevance of this finding to humans is unknown.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	
LOOLOXION	

Ingredients:

Methyltrimethoxysilane:	e:
-------------------------	----

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 aquatic invertebrates	: EC50 (Daphnia sp.): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202	
Toxicity to algae	: ErC50 (Pseudokirchneriella subcapitata (green algae)): > 7	100

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		mg/l Exposure time Method: OECI	: 72 h) Test Guideline 201
Toxi	city to bacteria	: EC50: > 100 m Method: OECE	ng/l) Test Guideline 209
Tita	nium dioxide:		
Toxi	city to fish	Exposure time	ynchus mykiss (rainbow trout)): > 100 mg/l : 96 h) Test Guideline 203
	city to daphnia and other atic invertebrates	: EC50 (Daphnia Exposure time	a magna (Water flea)): > 100 mg/l : 48 h
Toxi	city to algae	: EC50 (Skeleto Exposure time	nema costatum (marine diatom)): > 10,000 mg/l : 72 h
Toxi	city to bacteria	: EC50: > 1,000 Exposure time Method: OECE	
Octa	amethylcyclotetrasiloxa	ne:	
Toxi	city to fish	Exposure time	/nchus mykiss (rainbow trout)): > 0.022 mg/l : 96 h oxicity at the limit of solubility.
	city to daphnia and other atic invertebrates	Exposure time	a sp.): > 0.015 mg/l : 48 h oxicity at the limit of solubility.
Toxi	city to algae	: EC50: > 0.022 Exposure time Remarks: No t	
		NOEC: 0.022 r Exposure time Remarks: No t	
Toxi ity)	city to fish (Chronic toxic-		nynchus mykiss (rainbow trout)): >= 0.0044 mg/l oxicity at the limit of solubility.
aqua	city to daphnia and other atic invertebrates onic toxicity)	Exposure time	ia magna (Water flea)): > 0.0079 mg/l : 21 d oxicity at the limit of solubility.
Toxi	city to bacteria	: IC50: > 10,000 Method: ISO 8	
	oxicology Assessment onic aquatic toxicity	: May cause lon	g lasting harmful effects to aquatic life.
Meth	nanol:		

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	Toxicity	to fish	:	LC50 (Lepomis m Exposure time: 96	acrochirus (Bluegill sunfish)): 15,400 mg/l i h
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): > 10,000 mg/l s h
	Toxicity	to algae	:	 EC50 (Pseudokirchneriella subcapitata (green algae)): 22,0 mg/l Exposure time: 96 h Method: OPPTS 850.5400 	
	Toxicity ity)	to fish (Chronic toxic-	:	NOEC (Oryzias la Exposure time: 20	tipes (Orange-red killifish)): 15,800 mg/l 10 h
	Toxicity	to bacteria	:	EC50: 20,000 mg/ Exposure time: 15	
	Persist	ence and degradabili	ity		
]	Ingredi	ents:			
		r imethoxysilane: v in water	:	Degradation half I	ife: 2.2 h pH: 7
	Octame	ethylcyclotetrasiloxa	ane:		
	Biodegr	adability	:	Result: Not readily Biodegradation: 3 Exposure time: 28 Method: OECD Te	3.7 % 5 d
	Stability	r in water	:	Degradation half I Method: OECD Te	ife: 69.3 - 144 h (24.6 °C) pH: 7 est Guideline 111
	Methan	ol:			
	Biodegr	adability	:	Result: Readily bio Biodegradation: 9 Exposure time: 20	95 %
	Bioacc	umulative potential			
		rimethoxysilane:	:	log Pow: -2.36	
	Octame Partitior octanol/	ethylcyclotetrasiloxar n coefficient: n- /water	ne: :	log Pow: 6.48 (25	1 °C)
	Methan Bioaccu	ol: Imulation	:	Species: Leuciscu Bioconcentration f	is idus (Golden orfe) factor (BCF): < 10

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DOW CORNING(R) 3145 RTV MIL-A-46146 ADHESIVE/SEALANT-GRAY

Version 1.1	Revision Date: 03/25/2015	MSDS Number: 833575-00002	Date of last issue: 11/26/2014 Date of first issue: 11/26/2014
Partition coefficient: n- octanol/water		: log Pow: -0.77	
	bility in soil data available		
Oth	ner adverse effects		
Ing	redients:		
Re	tamethylcyclotetrasiloxar sults of PBT and vPvB sessment	: Remarks: Octame rent REACh Anne D4 has been asse However, D4 does substances. The ies shows that D4 trial food webs. D4 occurring hydroxy that does not degr	ethylcyclotetrasiloxane (D4) meets the cur- x XIII criteria for PBT and vPvB. In Canada, essed and deemed to meet the PiT criteria. Is not behave similarly to known PBT/vPvB weight of scientific evidence from field stud- is not biomagnifying in aquatic and terres- 4 in air will degrade by reaction with naturally I radicals in the atmosphere. Any D4 in air rade by reaction with hydroxyl radicals is not sit from the air to water, to land, or to living

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal	methods

Resource Conservation and		This product has been evaluated for RCRA characteristics
Recovery Act (RCRA)	•	and does not meet the criteria of hazardous waste if discarded in its purchased form.
Waste from residues	:	Dispose of in accordance with local regulations.
Contaminated packaging	:	Dispose of as unused product. Empty containers should be taken to an approved waste han- dling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulation

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.



Version	Revision Date:	MSDS Number:	Date of last issue: 11/26/2014
1. 1	03/25/2015	833575-00002	Date of first issue: 11/26/2014

Domestic regulation

49 CFR Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Methanol	67-56-1	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards	:	Acute Health Hazard Chronic Health Hazard
SARA 302	:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Ri	ight To Know					
	Dimethyl siloxane, hydroxy-terminated 70131-67-8 50 - 70 %					
	Hexamethyldisilazane reaction with Silica	68909-20-6	20 - 30 %			
l	Methyltrimethoxysilane	1185-55-3	5 - 10 %			
	Titanium dioxide	13463-67-7	1 - 5 %			
l	Methanol	67-56-1	0.1 - 1 %			
New Jersey Rig	ht To Know					
	Dimethyl siloxane, hydroxy-terminated	70131-67-8	50 - 70 %			
	Hexamethyldisilazane reaction with Silica	68909-20-6	20 - 30 %			
l	Methyltrimethoxysilane	1185-55-3	5 - 10 %			
-	Titanium dioxide	13463-67-7	1 - 5 %			
I	Methanol	67-56-1	0.1 - 1 %			
California Bron	65 WADNING This product of	antaina a chamiaal k	nown in the			

California Prop 65	WARNING: This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.
Methanol	67-56-1

Methanol

The ingredients of this product are reported in the following inventories:

DOW CORNING(R) 3145 RTV MIL-A-46146 ADHESIVE/SEALANT-GRAY

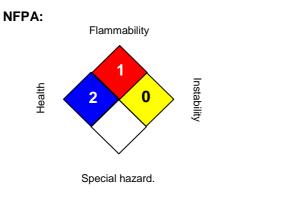
Versi 1.1	on	Revision Date: 03/25/2015		DS Number: 3575-00002	Date of last issue: 11/26/2014 Date of first issue: 11/26/2014		
	KECI		:	All ingredients list	ed, exempt or notified.		
I	REACH	4	:	: All ingredients (pre-)registered or exempt.			
TSCA		:	 All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances. 				
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.				
I	PICCS		:	All ingredients list	ed or exempt.		
I	DSL		:	1999 and NSNR a	tances in this product comply with the CEPA and are on or exempt from listing on the tic Substances List (DSL).		
I	NZIoC		:	All ingredients list	ed or exempt.		

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information



HMIS III:

HEALTH	2*
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,

2 = Moderate, 3 = High 4 = Extreme, * = Chronic

Full text of other abbreviations

ACGIH ACGIH BEI

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

DOW CORNING(R) 3145 RTV MIL-A-46146 ADHESIVE/SEALANT-GRAY

Version 1.1	Revision Date: 03/25/2015		DS Number: 3575-00002	Date of last issue: 11/26/2014 Date of first issue: 11/26/2014		
DCC OEL NIOSH REL OSHA Z-1		 Dow Corning Guide USA. NIOSH Recommended Exposure Limits USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants 				
OSł	HA Z-3	:	: USA. Occupational Exposure Limits (OSHA) - Table Z-3 Min-			
ACGIH / STEL : Short-term expo DCC OEL / TWA : Time weighted a NIOSH REL / TWA : Time-weighted a workday during NIOSH REL / ST : STEL - 15-minu at any time durin OSHA Z-1 / TWA : 8-hour time weighted		8-hour, time-weigh Short-term expose Time weighted av Time-weighted av workday during a	ure limit erage erage concentration for up to a 10-hour 40-hour workweek TWA exposure that should not be exceeded a workday ted average			
com	rrces of key data used to ppile the Material Safety a Sheet	:		data, data from raw material SDSs, OECD rch results and European Chemicals Agen- opa.eu/		
Rev	rision Date	:	03/25/2015			

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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