

## 1. Identification

Product Identifier: Si-COAT® 531™ Remarkable® Spray Grade Anti-Graffiti Protective Coating.  
 Use: Polysiloxane coating.  
 Manufacturer: CSL Silicones Inc.  
 144 Woodlawn Road West, Guelph, ON, N1H 1B5 Canada  
 Manufacturer Phone: North America: 1.800.265.2753 Worldwide: +1 519.836.9044  
 Emergency Phone: +1 519.836.9044 Monday – Friday, 8:00 A.M. – 5:00 P.M. Eastern Time Zone, UTC-05:00  
 Emergency Contact: Baz Mistry, Laboratory Manager; Farooq Ahmed, R&D Manager

## 2. Hazards Identification

GHS Hazard Classification: Acute Toxicity – Category 4  
 Eye Irritant – Category 1  
 Flammable Liquid – Category 3  
 Reproductive Toxicity – Category 2  
 Skin Corrosion – Category 2  
 Skin Sensitizer – Category 1  
 Specific Target Organ Toxicity (STOT) Repeated Exposure – Category 2  
 Specific Target Organ Toxicity (STOT) Single Exposure – Category 3

GHS Hazard Symbols:



GHS Signal Word: Warning      Warning      Warning

GHS Hazard Statements: H315 – Causes skin irritation.  
 H317 – May cause an allergic skin reaction.  
 H319 – Causes serious eye irritation.  
 H226 – Flammable liquid and vapour.  
 H336 – May cause drowsiness or dizziness. Affected organs: central nervous system.  
 Route of exposure: inhalation.  
 H361 – Suspected of damaging fertility.  
 H372 – Causes damage to organs through prolonged or repeated exposure.  
 H373 – May cause damage to organs through prolonged or repeated exposure.  
 Affected organs: cardiovascular/hematological (hematopoiesis).

GHS Precautionary Statements:

Prevention: P102 – Keep out of reach of children  
 P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 – Keep container tightly closed.  
 P243 – Take precautionary measures against static discharge.  
 P260 – Do not breathe fume/mist/vapours/spray.  
 P262 – Do not get in eyes, on skin, or on clothing.  
 P271 – Use only outdoors or in a well-ventilated area.  
 P273 – Avoid release to the environment.

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Response:	<p>P280 – Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301+P310 – IF SWALLOWED: Immediately call a POISON CONTROL CENTRE/Doctor or medical facility.</p> <p>P303+P361+P352 – IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P305+P351+P338 – IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310+P314 – Immediately call a Poison Control Center/doctor and get medical advice/attention if you feel unwell.</p> <p>P331 – Do NOT induce vomiting.</p> <p>P370+P378 – In case of fire: Use appropriate media for extinction.</p>
Storage:	<p>P403+P233+P235 – Store in a well ventilated place. Keep container tightly closed. Keep cool.</p>
Disposal:	<p>P501 – Dispose of contents/containers to waste in accordance with local and national regulations.</p>
Other Hazards which do not result in GHS classification:	<p>May form flammable/explosive vapour-air mixture.</p> <p>This material is a static accumulator.</p> <p>If sufficient charge is allowed to accumulate, electrostatic discharge and ignition of flammable vapour mixtures can occur.</p>

### 3. Composition / Information on Ingredients

Chemical Characterization: Silicone elastomer

According to Regulation (EC) No. 1272/2008:

Name	CAS No.	EINECS/ ELINCS No.	Reach Registration No.	Conc. (%w/w)	Classification
Naphtha (petroleum), hydrotreated heavy	64742-48-9	919-857-5	01- 2119463258- 33-0025	15 - 40	Flammable liquid: category 3 - H226 STOT single exposure: category 3 - H336
Butan-2-one-O,O',O"- (methylsilylidyne)trioxime	22984-54-9	245-366-4	01- 2119970560- 38-0007	1 - 5	Skin sensitizer: category 1B - H317 STOT repeated exposure - category 2 - H373
3-aminopropyltriethoxysilane	919-30-2	213-048-4	01- 2119480479- 24	1 - 5	Acute toxicity: category 4 - H302 Skin corrosion: category 2 - H315 Skin sensitizer: category 1 - H317
Butan-2-one-O,O',O"- (vinylsilylidyne) trioxime	2224-33-1	218-747-8	01- 211970537- 27	1 - 5	Eye irritant: Category 2 - H319 Skin sensitizer: category 1B - H317 STOT repeated exposure - category 2 - H373
Octamethylcyclotetrasiloxane*	556-67-2	209-136-7	01- 2119529238- 36	0.08 - 0.8	Reproductive toxicity: category 2 - H361

\* Octamethylcyclotetrasiloxane (D4) is classified under GHS as Reproductive Toxicity - Category 2 (H361 - Suspected of damaging fertility) based on reproductive studies in animals. See Section 11 for further details.

CLP classifications are based on all current available data including from known international organizations. These classifications are subject to revision as more information becomes available.



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Ingredients not precisely identified are proprietary or non-hazardous. Values are no product specifications.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classification as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### 4. First Aid Information

IF POISONING IS SUSPECTED, immediately contact the poison control center, doctor or nearest hospital. Have the product container, label or Safety Data Sheet with you when calling CSL Silicones Inc., a poison control center or doctor, or going for treatment. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

Inhalation:	The affected person should be moved to fresh air and made comfortable. Obtain medical attention as a precaution.
Eye Contact:	Do not attempt to remove solids or gums from the eye. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes, holding the eyelids open. After 5 minutes, remove contact lenses if present and possible, and continue rinsing. Obtain medical attention immediately.
Skin Contact:	Remove contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. If symptoms persist, obtain medical attention. Contaminated clothing should be laundered before re-use.
Ingestion:	Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. DO NOT INDUCE VOMITING – product contains naphtha (petroleum), vomiting may cause chemical pneumonitis. Have victim rinse out mouth and drink 8 to 10 oz. (240 to 300 ml) of water to dilute the material in stomach. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Obtain medical attention immediately.

#### Self-Protection of the First Aider:

Use personal protection equipment to avoid contact with the product.

#### Most Important Symptoms/Effects:

Moderate irritant to respiratory passages.

Prolonged exposure to high vapour concentrations can cause headache, nausea, central nervous system depression, anesthesia and dizziness.

Eye contact: Liquid acts as a severe irritant upon contact; may cause corneal burns and conjunctivitis. Vapour acts as an irritant; may cause corneal damage and photophobia (light sensitivity).

Dermal contact: Direct contact with vapour or liquid may cause defatting, drying and cracking of the skin. Prolonged and repeated contact may cause dermatitis.

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

#### Indication of Immediate Medical Attention and Special Treatment Needed:

Product contains naphtha (petroleum) – vomiting may cause chemical pneumonitis.

There is no specific antidote if ingested.

Treat symptomatically.

### 5. Fire Fighting Measures

#### Suitable Extinguishing Media:

Dry chemical, CO<sub>2</sub>, water spray, chemical foam.

#### Unsuitable Extinguishing Media:

Do not use water jet as an extinguisher as this may spread the fire.

#### Specific Hazards:



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May form flammable/explosive vapour-air mixture.

The vapour is heavier than air, spreads along the ground and distant ignition is possible.

If sufficient charge is allowed to accumulate, electrostatic discharge and ignition of flammable air-vapour mixtures can occur.

Hazardous combustion products: carbon dioxide, carbon monoxide, formaldehyde, silicon dioxide, nitrogen oxide.

### Advice for Firefighters:

Self-Contained Breathing Apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. Full protective clothing should be worn at all times.

## 6. Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures:

For non-emergency and emergency responders:

Eliminate sources of ignition.

Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment.

Make sure all personnel involved in the clean-up follow good industrial hygiene practices. A small spill can be handled routinely. Use adequate ventilation and equipment, and wear protective clothing as detailed in Section 8 Exposure Controls / Personal Protection and/or the product label.

### Methods and Materials for Containment and Cleaning Up:

Restrict access to area of spill. Provide ventilation and protective clothing as required for the situation. Cover with dry lime or soda ash. Scrape up liquid coating with cardboard or rag and place in a closed container.

### Environmental Precautions:

Review local, regional and/or national regulations for disposal. Silicone wastes can often be incinerated in approved facilities. Solid waste can often be sent to designated landfill sites.

## 7. Handling and Storage

### Precautions for Safe Handling:

Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment.

The vapour is heavier than air, spreads along the ground and distant ignition is possible.

KEEP OUT OF REACH OF CHILDREN. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Avoid breathing vapours. Wear full protective clothing and equipment as detailed in Section 8 Exposure Controls / Personal Protection. After work, rinse gloves and remove protective equipment, and wash hands thoroughly with soap and water after handling, and before eating, tobacco use, drinking, applying cosmetics or using the toilet. Wash contaminated clothing before re-use and separate from household laundry.

### Conditions for Safe Storage, Including any Incompatibilities:

Store in cool dry conditions. Keep container tightly sealed when not in use. Protect product and contaminated materials from uncontrolled release into the environment, or from access by animals, birds or unauthorized people. Clean up spilled material immediately.

### Specific End Use:

Polysiloxane coating.

## 8. Exposure Controls / Personal Protection

### Control Parameters:

Chemical Name	CAS No.	Exposure Limits
Naphtha (petroleum), hydrotreated heavy	64742-48-9	Germany 50 ppm, 300 mg/m <sup>3</sup> 8hr TLV Germany 100 ppm, 300 mg/m <sup>3</sup> (15 min value) STEL



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		Poland 300 mg/m <sup>3</sup> 8hr TLV
		Poland 900 mg/m <sup>3</sup> (15 min value) STEL
		Switzerland 50 ppm, 300 mg/m <sup>3</sup> 8hr TLV
		Switzerland 100 ppm, 600 mg/m <sup>3</sup> STEL
		200 mg/m <sup>3</sup> (as total hydrocarbon vapour) ACGIH TLV
Butan-2-one-O,O',O"- (methylsilyldiyl)trioxime	22984-54-9	No assigned exposure limits.
3-aminopropyltriethoxysilane	919-30-2	No assigned exposure limits.
Butan-2-one-O,O',O"- (vinylsilyldiyl)trioxime	2224-33-1	No assigned exposure limits.
Octamethylcyclotetrasiloxane	556-67-2	10 ppm ACGIH TLV
Methyl Ethyl Ketoxime (MEKO)*	96-29-7	Workplace environmental exposure level: 10 ppm, AIHA

STEL = short-term exposure limit; TLV = threshold limit value.

- \* Methyl Ethyl Ketoxime (MEKO) is a curing by-product that is released when the coating comes in contact with humid air. It is recommended to keep workplace exposure levels below 3 ppm.

NOTE: Naphtha (petroleum) is released into the air during the drying and curing process. Solvent naphtha is flammable. Ensure that all potential sources of ignition are removed.

### Appropriate Engineering Controls:

If necessary, ensure work areas have adequate ventilation, containment, and procedures sufficient to maintain airborne levels below the TLV. Provide separate washing/shower and eating facilities.

### Individual Protection Measures:

General:	Avoid breathing dusts, vapours or aerosols. Avoid contact with eye, skin and clothing. Wash thoroughly after handling, and before eating, drinking, applying cosmetics or handling tobacco.
Eye/Face Protection:	Safety glasses / chemical splash goggles.
Skin Protection:	Impervious gloves, coveralls and/or aprons may be useful to prevent contamination of skin and clothing. Choose gloves to protect hands against chemicals depending on the concentration specific to the place of work. Breakthrough time is not determined for the product. Change gloves often. We recommend clarifying the resistance of chemicals to protective gloves with the glove manufacturer. Wash hands before breaks and at the end of the workday.
Respiratory Protection:	General and local exhaust ventilation is recommended to maintain vapour exposures below the recommended limits. Where concentrations are unknown or are above the recommended limits, a NIOSH/MSHA approved respirator with an organic vapour cartridge should be used. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Environmental Exposure Controls: Refer to sections 6 and 12.

## 9. Physical and Chemical Properties

Appearance: Smooth, slightly viscous liquid.

Odour: Hydrocarbon odour.

Odour Threshold: Not available.

pH: Not available.

Melting Point: Not applicable.

Freezing Point: Not applicable.

Initial Boiling Point: Not available.

Boiling Point Range: Not available.

Flash Point: 40 °C PMCC, ASTM D-93

Evaporation Rate: Not applicable.



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Flammability: Class III.  
Upper/Lower Flammability Limits: Not applicable.  
Vapour Pressure: Negligible at 25 °C.  
Vapour Density: Not applicable.  
Relative Density: 0.95  
Solubility(ies): Water – insoluble. Soluble in most organic solvents.

Partition Coefficient (n-octanol/water): x  
Auto-Ignition Temperature: Not applicable.  
Decomposition Temperature: Not available.  
Viscosity: 2,000 ± 1,000 cP  
Explosive Properties: Not applicable.  
Oxidizing Properties: Not applicable.  
VOC Content: 235 g/L

## 10. Stability and Reactivity

### Reactivity:

Not reactive under normal use and storage conditions.

### Stability:

Stable under normal use and storage conditions.

### Possibility of Hazardous Reactions:

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

### Conditions to Avoid:

Temperatures above the flash point. Avoid heat, sparks, open flames and other ignition sources. In certain circumstances product can ignite due to static electricity.

### Incompatible Materials:

Strong oxidizers. Concentrated acids or bases cause degradation of polymer. Boiling water may soften and weaken material.

### Hazardous Decomposition Products:

Combustion will produce carbon dioxide, carbon monoxide, silicon dioxide and nitrogen oxides. A component of this product can generate formaldehyde at approximately 150 °C and above in the atmosphere containing oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant and potential carcinogen.

## 11. Toxicological Information

### Relevant routes of exposure:

	Acute Effects	Chronic Effects
Inhalation	Moderate irritant to respiratory passages. Product vapours may cause drowsiness and dizziness.	Prolonged exposure to high vapour concentrations of curing by-product can cause headache, nausea, central nervous system depression, anesthesia and dizziness. Product vapours may cause drowsiness and dizziness.
Ingestion	Ingestion can cause headache, nausea, dizziness, anesthesia, depression of the central nervous system and a burning sensation. Product contains naphtha (petroleum) – IMMEDIATE medical attention is required.	Effects unknown.
Skin Contact	Direct contact with vapour or liquid may cause defatting, drying and cracking of the skin.	Prolonged and repeated contact may cause dermatitis.
Eye Contact	Liquid acts as a severe irritant upon contact; may cause corneal burns and conjunctivitis.  Vapour acts as an irritant; may cause corneal damage and photophobia (light sensitivity).	Effects unknown.
Other	Component is suspected of damaging fertility.	Component is suspected of damaging fertility.

**Octamethylcyclotetrasiloxane (D4):**

Range finding reproductive studies were conducted (whole body inhalation, 70 days prior to mating, gestation and lactation), with D4. Rats were exposed to 70 and 700 ppm. In the 700 ppm group, there was a statistically significant reduction in mean litter size and in implantation sites. No D4 related clinical signs were observed in the pups and no exposure related pathological findings were found. A two-year, combined chronic/carcinogenicity study, during which rats were exposed to D4 by inhalation, data showed a statistically significant increase in a benign uterine tumour in female rats exposed at the highest level – a level much higher than the low levels that consumers or workers may encounter. An expert panel of independent scientists who reviewed the results of this research concur that the finding seen in the two-year study occurred through a biological pathway that is specific to the rat and is not relevant to humans. Therefore, this observed effect does not indicate a potential health hazard to humans. In developmental toxicity studies, rats and rabbits were exposed to D4 at concentrations up to 700 ppm and 500 ppm respectively. No teratogenic effects (birth defects) were observed in either study.

**Acute Toxicity:**

Product	Solvent naphtha (petroleum), medium aliphatic	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3-aminopropyltriethoxy silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclotetrasiloxane
No data available.	LD50 oral, rat >5,000 mg/kg; LC50 inhalation, rat LC50 greater than near-saturated vapour conditions; LD50 dermal, rabbit, >5,000 mg/kg.	LD50, oral, rat, >5,000 mg/kg.	No data available.	No data available.	LD50 oral, rat 4,800 mg/kg (OECD Guideline 401); LC50 inhalation, rat, 4hr. > 12.1 mg/kg; LC50 inhalation, rat, 4hr., 36 mg/L (OECD Guideline 403)

**Skin Irritation:**

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3-aminopropyltriethoxy silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclotetrasiloxane
Mild irritation; may cause transient reddening of the skin.	Causes mild skin irritation. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.	Sensitization possible. Irritates the skin.	Irritant for skin and mucous membranes.	Sensitization possible. Irritates the skin.	Non-irritating to the skin, rabbit (OECD Guideline 404)

**Eye Irritation:**

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3-aminopropyltriethoxy silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclotetrasiloxane
Moderate irritation. Can cause burns.	Not irritating to eye.	Irritates the eyes.	Irritant effect.	Irritates the eyes.	Non-irritating to the eyes, rabbit (OECD Guideline 405).

**Mutagenicity:**

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3-aminopropyltriethoxy silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclotetrasiloxane
No adverse effects anticipated.	Not mutagenic.	No data available.	No data available.	No data available.	Negative, in vitro, Salmonella typhimurium (OECD Guideline 471); Negative, in vitro, Mouse Lymphoma Assay (OECD guideline 476); Negative, in vivo, Micronucleus test, (OECD Guideline



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### Carcinogenicity:

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3- aminopropyltriethox y silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclo tetrasiloxane
No adverse effects anticipated.	Not expected to be carcinogenic. Tumours produced in animals are not considered relevant to humans.	No data available.	No data available.	No data available.	Inhalation, rat-female, 24 months, 150 mg/kg, NOAEC (OECD Guideline 453); Inhalation, rat-male, 24 months, >700 mg/kg, NOAEC (OECD Guideline 453).

### Reproductive Toxicity:

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3- aminopropyltriethox y silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclo tetrasiloxane
No data available.	Not expected to impair fertility.	No data available.	No data available.	No data available.	Rat, inhalation, 300 mg/kg, NOAEL parents (OECD Guideline 416); Rat, inhalation, 300 mg/kg, NOAEL F1 (OECD Guideline 416).

### Teratogenicity:

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3- aminopropyltriethox y silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclo tetrasiloxane
No adverse effects anticipated.	Not expected to be a developmental toxicant.	No data available.	No data available.	No data available.	Rabbit, inhalation, 18 days, 500 mg/kg, NOAEL (OECD Guideline 414); Rabbit, inhalation, 18 days, 300 mg/kg, NOAEL maternity (OECD Guideline 414).

### Specific Target Organ Toxicity (STOT) – Single Exposure:

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3- aminopropyltriethox y silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclo tetrasiloxane
No data available.	May cause drowsiness or dizziness.	No data available.	No data available.	No data available.	No data available.

### Specific Target Organ Toxicity (STOT) – Repeated Exposure:

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3- aminopropyltriethox y silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclo tetrasiloxane
No data available.	Kidney: caused kidney effects in male rats which are not considered relevant to humans.	May cause damage to organs through prolonged or repeated exposure. Affected organs: cardiovascular/hematological (hematopoiesis).	No data available.	May cause damage to organs through prolonged or repeated exposure. Affected organs: cardiovascular/hematological (hematopoiesis).	No data available.



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**Aspiration Hazard:**

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3-aminopropyltriethoxy silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclotetrasiloxane
No data available.	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.	No data available.	No data available.	No data available.	No data available.

**Chronic Toxicity:**

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3-aminopropyltriethoxy silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclotetrasiloxane
Potential for pulmonary edema, dermatitis.	Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis. Vapours are moderately irritating to the eyes and respiratory passages. Prolonged exposure to high vapour concentration can cause headache, dizziness, nausea and central nervous system depression. In rare cases may sensitize heart muscle causing heart arrhythmia.	No data available.	No data available.	No data available.	Inhalation, rat, 150 mg/kg, 24 months, NOAEC (OECD Guideline 453); Dermal, rabbit, 3 weeks, NOAEL (OECD Guideline 410)

NOTE: Curing by-product, methylethylketoxime (MEKO); male rats and mice exposed to MEKO throughout their lifetime developed liver tumours. Many commonly used chemicals cause liver tumours in rats and mice. The relevance to humans is unknown.

**12. Ecological Information**
**Ecotoxicity - Acute:**

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3-aminopropyltriethoxy silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclotetrasiloxane
No data available.	Expected to be not toxic at limit of water solubility.	No data available.	No data available.	No data available.	LC50, 96h, <i>Oncorhynchus mykiss</i> , ≥0.022 mg/L; EC50, 48h, <i>Daphnia magna</i> , >0.015 mg/L.



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### Ecotoxicity - Chronic:

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3- aminopropyltriethox y silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclo tetrasiloxane
No data available.	No data available.	No data available.	No data available.	No data available.	NOEC, 93d, Oncorhynchus mykiss, ≥0.0044 mg/L; NOEC, 21d, Daphnia magna, 0.0079 mg/L; EC50, 96h, Selenastrum capricornatum, >0.022 mg/L.

### Persistence and Degradability:

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3- aminopropyltriethox y silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclo tetrasiloxane
No data available.	Oxidizes rapidly by photo-chemical reactions in air. Rapidly biodegradable.	No data available.	No data available.	No data available.	Not biodegradable.

### Bioaccumulative Potential:

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3- aminopropyltriethox y silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclo tetrasiloxane
No data available.	Has the potential to bioaccumulate.	No data available.	No data available.	No data available.	Bioaccumulating.

### Mobility in Soil:

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3- aminopropyltriethox y silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclo tetrasiloxane
No data available.	Adsorbs to soil and has low mobility.	No data available.	No data available.	No data available.	No data available.

### Other Adverse Effects:

Product	Naphtha (petroleum), hydrotreated heavy	Butan-2-one-O,O',O"- (methylsilylidine) trioxime	3- aminopropyltriethox y silane	Butan-2-one-O,O',O"- (vinylsilylidine) trioxime	Octamethylcyclo tetrasiloxane
No data available.	No data available.	No data available.	No data available.	No data available.	No data available.

## 13. Disposal Considerations

### Product and Packaging Disposal:

Dispose in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.



# Si-COAT® 531™ REMARKABLE® SPRAY GRADE ANTI-GRAFFITI PROTECTIVE COATING

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Replaces (D/M/Y): 11/09/2015

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### 14. Transport Information

Transport Information

	Land Transport (ADR/RID)	Water Transport (ADN/ IMDG)	Air Transport (IATA-DGR)
This material is not regulated in container sizes less than 450 litres (118 US gallons)			
UN Number		UN 1139	
UN Proper Shipping Name		Coating Solutions	
Transport Hazard Class		Class III Flammable Liquid	
Packing Group		PG III	
Environmental Hazards		Not applicable.	

Special Precautions for User:

Not applicable.

Transport in Bulk According to Annex II of Marpol 73/78 and the IBC Code:

Not available.

### 15. Regulatory Information

#### EU Regulations

REACH – Candidate List of Substances of Very High Concern for Authorization:

Contains less than 1% of Octamethylcyclotetrasiloxane, Decamethylcyclopentasiloxane and Dodecamethylcyclohexasiloxane.

Regulation (EC) No. 649/2012 Import and Export of Dangerous Chemicals:

Not applicable.

Regulation (EC) No. 1005/2009 Substances that Deplete the Ozone Layer:

Not applicable.

Regulation (EC) No. 850/2004 Persistent Organic Pollutants:

Not applicable.

Seveso III – Directive 2012/18/EU Control of Major Accident Hazards involving Dangerous Substances:

Not applicable.

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

AICS (Australia)	On or in compliance with the inventory.
DSL (Canada)	On or in compliance with the inventory.
ENCS/ISHL (Japan)	On or in compliance with the inventory.
IECSC (China)	On or in compliance with the inventory.
KECI (Korea)	On or in compliance with the inventory.
NZIoC (New Zealand)	On or in compliance with the inventory.
PICCS (Philippines)	On or in compliance with the inventory.
REACH (European Union)	On or in compliance with the Inventory.
TSCA (USA)	On or in compliance with the inventory.

#### Other Regulations

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

#### Chemical Safety Assessment:

A chemical safety assessment has not been completed on this mixture.



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### 16. Other Information

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#### Abbreviations & Acronyms:

All abbreviations and acronyms have been fully defined in the relevant sections of the SDS.

#### Indication of changes:

Updating of UN Number/Proper Shipping Name.

#### References

Sources of data used in the compilation of this safety data sheet (SDS) include, but are not limited to the following: internal technical data; data from raw material supplier MSDSs/SDSs, OECD eChem Portal search results; and European Chemicals Agency (ECHA) Chemical Property portal search results.

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 provided is designed only as guidance for safe handling, use, processing, storage, transportation, and release and is not considered a warranty or product specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

It is the responsibility of persons in receipt of this product Safety Data Sheet (SDS) to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product.

All information and instructions provided in this Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. CSL Silicones shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

This Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local CSL Silicones supplier a SDS applicable to the country in which the product is sold or intended to be used. Please note that the appearance and contents of the SDS may vary, even for the same product, between different countries, reflecting the compliance requirements.