

Issue Date: 23-Feb-2019

Revision Date: 14-June-2023

Version 4

**Safety Data Sheet** 

# **1. IDENTIFICATION**

Product identifier Product Name

ProFume®

Other means of identification SDS # Document ID # Registration Number(s) UN/ID No

DOUG-005 SDS.PROFUME.English.20230614.4 EPA Reg. No. 1015-79 UN2191

Recommended use of the chemical and restrictions on useRecommended UseEnd Use Fumigant.

# Details of the supplier of the safety data sheet

Supplier Address Douglas Products and Packaging Company, LLC 1550 East Old 210 Highway Liberty, MO 64068 Customer Information Number: 800-223-3684

Emergency telephone number

**Emergency Telephone** 

1-844-845-3129 or 1-352-326-7641

# 2. HAZARDS IDENTIFICATION

<u>Emergency Overview</u>: This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-EPA registered chemicals. Please see Section 15 for additional EPA information.

### Physical state: Gas

Odor: Odorless

### Classification

Acute toxicity - Inhalation (Gases)	- H330	Category 2
Specific target organ toxicity (repeated exposure)	- H373	Category 2
Gases under pressure	- H280	Liquefied gas
Acute aquatic toxicity	- H400	Category 1

### <u>Signal Word</u> Danger

### Hazard statements

Toxic if swallowed Fatal if inhaled Causes damage to organs May cause damage to organs through prolonged or repeated exposure Contains gas under pressure; may explode if heated



# **Precautionary Statements - Prevention**

Use personal protective equipment as required Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Do not breathe dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area Wear respiratory protection

### **Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a poison center or doctor/physician IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Rinse mouth

# **Precautionary Statements - Storage**

Store locked up Store in a well-ventilated place. Keep container tightly closed Protect from sunlight

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### Other hazards

Very toxic to aquatic life

# **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%
Sulfuryl fluoride	2699-79-8	99.8
Other ingredients	Proprietary	<0.1

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

# 4. FIRST AID MEASURES

Description of first aid measures General Advice	Provide this SDS to medical personnel for treatment. Any additional important symptoms and effects are described in Section 11: Toxicology Information.
Eye Contact	Liquid: In case of frostbite, immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Obtain medical attention promptly, preferably from an ophthalmologist. Gas: No treatment required.
Skin Contact	Liquid: Immediately apply water to contaminated area of clothing before removing. Once area has thawed, remove contaminated clothing, shoes, and other items covering skin. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. Thoroughly aerate clothing and shoes contacted by liquid fumigant before wearing again. Gas: No treatment required. No decontamination of clothing or shoes covering the skin is required.

Inhalation	Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). Call a poison control center or doctor for treatment advice. If breathing is difficult, oxygen should be administered by qualified personnel. If the person is not breathing and has no pulse, consider cardiopulmonary resuscitation (CPR); use pocket resuscitation mask, bag valve mask etc. To prevent pulmonaryedema have the person inhale 5 shots of an aerosol corticosteroid metered dose inhaler (if available), such asbeclomethasone or fluticasone, etc., every 10 minutes until the person is evaluated by a physician.
Ingestion	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Self-Protection of the First Aid	der First Aid responders should pay attention to self-protection and use the recommended protective clothing (gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Most important symptoms and eff	fects, both acute and delayed
Symptoms	Fatal if inhaled. Toxic if swallowed. See Section 11: Toxicological Information of this SDS for more detailed symptoms.
Indication of any immediate medio	cal attention and special treatment needed
Notes to Physician	Maintain adequate ventilation and oxygenation of the patient. Sulfuryl fluoride is a gas which has no warning properties such as odor or eye irritation. The prediction of possible human effects is based in part on observations made on laboratory animals. Treat for frostbite from exposure to the liquid fumigant if present (eyes, skin) with gentle rewarming by water irrigation for at least 15 minutes. Clinical observation is essential. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. There is no known antidote for overexposure to sulfuryl fluoride. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. It is predicted that persons exposed to sulfuryl fluoride will show little evidence of intoxication at first, unless the concentration is very high (greater than 400 ppm). Early symptoms of exposure to sulfuryl fluoride are respiratory irritation and central nervous system depression. Excitation may follow. Slowed movement, reduced awareness, and slow or garbled speech may be noted. It is essential to keep such an individual at bed rest for at least 24 hours. Clinical observations should be directed at the pulmonary, hepatic, and renal systems. Prolonged exposure can produce lung irritation, pulmonary edema, nausea, and abdominal pain. Repeated exposure to high concentrations can result in significant lung and kidney damage. Convulsions may ensue with respiratory arrest being the terminal event. Assisted respiration may be necessary. May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help. Respiratory symptoms, including pulmonary edema, may be delayed. Consider administering a complete aerosol corticosteroid metered dose inhaler (100-150 shots) or equivalent as initial preventive treatment for incipient pulmonary edema. Consider administering 250-1000 mg prednisolone IV on the first day of treatment. Excessive exposure may aggravat

# **5. FIRE-FIGHTING MEASURES**

<u>Suitable Extinguishing Media</u> This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.

Unsuitable Extinguishing Media Not determined.

<u>Specific Hazards Arising from the Chemical</u> Container may rupture from gas generation in a fire situation.

**Hazardous combustion products:** Decomposition products can include and are not limited to: Hydrogen fluoride. Sulfur oxides. Toxic gases are released during decomposition.

### Protective equipment and precautions for firefighters

**Fire Fighting Procedures**: Keep people away. Isolate fire and deny unnecessary entry. Stay upwind. Keep out of low areas where gases (fumes) can accumulate. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Move container from fire area if this is possible without hazard. Contain fire water run-off if possible. Fire water runoff, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this SDS.

**Special protective equipment for firefighters**: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

# 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Personal Precautions	Isolate area. Stay upwind and out of low areas. Ventilate area of leak or spill. Use personal protection recommended in Section 8.
Environmental precautions	
Environmental precautions	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.
Methods and material for containn	nent and cleaning up
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Isolate area until gas has dispersed. Small spills: Knock down and dilute vapors with water fog or spray. Apply vapor suppression foams until spill can be cleaned up. Use non-sparking tools in cleanup operations.
	Large spills: Contact Douglas Products for clean-up assistance. See Section 13, Disposal Considerations, for additional information.
	7. HANDLING AND STORAGE

# Precautions for safe handling Handle in accordance with good industrial hygiene and safety practice. Conditions for safe storage, including any incompatibilities Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep/store only in original container. Do not store near food, foodstuffs, drugs or potable water supplies. Incompatible Materials Strong bases.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

		00111 771	
Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sulfuryl fluoride	STEL: 10 ppm	TWA: 5 ppm	IDLH: 200 ppm IDLH: 250 mg/m <sup>3</sup> F
2699-79-8	TWA: 5 ppm TWA: 2.5 mg/m <sup>3</sup> F	TWA: 20 mg/m <sup>3</sup> TWA: 2.5 mg/m <sup>3</sup>	TWA: 5 ppm
		(vacated) TWA: 5 ppm	TWA: 20 mg/m <sup>3</sup> STEL: 10 ppm
		(vacated) TWA: 5 ppm (vacated) TWA: 20 mg/m <sup>3</sup>	STEL: 10 ppm STEL: 40 mg/m <sup>3</sup>
		(vacated) TWA: 20 mg/m <sup>3</sup>	STEE. 40 mg/m
		(vacated) TWA. 2.5 mg/m (vacated) STEL: 10 ppm	
		(vacated) STEL: 10 ppm (vacated) STEL: 40 mg/m <sup>3</sup>	
Other ingredients	TWA: 10 ppm	TWA: 50 ppm	IDLH: 50 ppm
	i with to ppin	(vacated) TWA: 1 ppm	TWA: 1 ppm
		(vacated) TWA: 4 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup>
		(vacated) STEL: 2 ppm	STEL: 2 ppm
		(vacated) STEL: 8 mg/m <sup>3</sup>	STEL: 8 mg/m <sup>3</sup>
		Ceiling: 100 ppm	0 · · · · · · g, · · ·
	•		
Other Information	RECOMMENDATIONS IN TH	IS SECTION ARE FOR MANU	FACTURING COMMERCIAL
other mormation	BLENDINGAND PACKAGING		
			ROTECTIVE EQUIPMENT AND
	CLOTHING.	OK FROFER FERSONAL FR	COLECTIVE EQUIPMENT AND
	CLOTHING.		
Appropriate engineering controls			
Engineering Controls			posure limits. Showers. Eyewash
			signed to move the air away from
			t this point. Lethal concentrations
	may exist in areas with poor ve	entilation.	
Individual protection measures, suc	h as personal protective equi	pment	
Eye/Face Protection	For handling the gas, wear saf	ety glasses (with side shields).	When contact with the liquid
-			29 CFR 1910.133 for eye and
	face protection regulations.	0.00	2
Skin and Body Protection	Wear clean body-covering clo	thing Chemical protective glow	es should not be needed when
			ice for any material, skin contact
		29 CFR 1910.138 for appropria	
	Should be minimized. Refer to	29 CI IX 1910.150 IOI appropria	ale skill and body protection.
Poppiratory Protection	Poppirotony protoction obsided	ha wara whan there is a notant	ial to avagad the avagation limit
Respiratory Protection			ial to exceed the exposure limit
			uired, use an approved positive-
		ing apparatus or positive-press	
	contained air supply. For emer		
			ed areas, use an approved self-
		or positive pressure air line wi	
	supply. Refer to 29 CFR 1910.	134 for respiratory protection r	equirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

# Information on basic physical and chemical properties

Physical state Appearance Color	Gas Colorless gas Colorless
Property pH Melting point / freezing point Boiling point / boiling range Flash point Evaporation Rate Flammability (Solid, Gas) Flammability Limit in Air	Values Not applicable -137°C / -215°F -55.2°C / -67°F Not applicable Not applicable Not Flammable
Upper flammability or explosive	Not applicable

Odor O Odor Threshold O

Odorless Odorless

Remarks • Method

limits		
Lower flammability or explosive	Not applicable	
limits		
Vapor Pressure	18,000 hPa	(at 20°C/68°F)
Vapor Density	3.5	(at 20°C/68°F) (Air=1)
Relative Density	1.35	(Water=1)
Water Solubility	1.04 g/L 20°C, Unbuffered	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not applicable	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Other information		
Softening Point	NOTE: The physical data presenter a specification	d above are typical values and should not be construed as

# **10. STABILITY AND REACTIVITY**

# Reactivity

Not reactive under normal conditions.

### Chemical stability

Stable under recommended storage conditions.

# Possibility of hazardous reactions

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

<u>Conditions to Avoid</u> Exposure to elevated temperatures can cause product to decompose. Generation of gas during decomposition can cause pressure in closed systems.

### **Incompatible materials**

Strong bases.

Hazardous decomposition products Decomposition products can include and are not limited to: Hydrogen fluoride. Sulfur oxides. Toxic gases are released during decomposition.

# **11. TOXICOLOGICAL INFORMATION**

### Information on likely routes of exposure

Eye Contact	No hazard from gas. Liquid may cause frostbite.
Skin Contact	Prolonged skin contact is unlikely to result in absorption of harmful amounts. The dermal LD50 of Sulfuryl fluoride has not been determined.
Inhalation	Fatal if inhaled. Vapor concentrations are attainable which may be fatal with single exposure. Excessive exposure may cause severe irritation to upper respiratory tract (nose and throat) and lungs.
Ingestion	Toxic if swallowed. Swallowing is unlikely because of the physical state. Single dose oral LD50 of Sulfuryl fluoride has not been determined.
Component Information	

Chemical name		Oral LD5	0 D	ermal LD50	Inhalation LC50
Sulfuryl fluoride		-		-	= 991-1122 ppm (Rat) 4 h
2699-79-8					
Symptoms related to the	nhysical	chemical and f	toxicological characteri	stics	
Symptome related to the	phyorout,		loxicological characteri	01100	
Symptoms	Please see Section 4 of this SDS for symptoms.				
Delayed and immediate	effects as v	well as chronic	effects from short and	long-term exposure	
Skin corrosion/irritat	ion	Essentially no	onirritating to skin. Liquid	may cause frostbite upon	skin contact.
	-				
Germ cell mutagenic	ity				re positive due to artifacts
		associated w	ith the test system. Anim	al genetic toxicity studies v	vere negative.
Carcinogenicity		Did not cause	e cancer in laboratory ani	mals	
ouromogeniony		Dia not badoc	o cancer in laberatory and		
Chemical name	A	CGIH	IARC	NTP	OSHA
Sulfuryl fluoride			Group 2A		Х
2699-79-8					
Reproductive toxicity	,	In animal stur	dies did not interfere with	reproduction	
Reproductive toxicity	/	In animal stud	dies, did not interfere with	reproduction.	
-	/				o the mother. Did not cause
Reproductive toxicity	/	Has been tox			o the mother. Did not cause
Teratogenicity		Has been tox birth defects i	ic to the fetus in laborato in laboratory animals.	ry animals at doses toxic t	o the mother. Did not cause
-		Has been tox birth defects i Causes dama	ic to the fetus in laborato in laboratory animals. age to organs. Route of E	ry animals at doses toxic t	o the mother. Did not cause
Teratogenicity		Has been tox birth defects i	ic to the fetus in laborato in laboratory animals. age to organs. Route of E	ry animals at doses toxic t	o the mother. Did not cause
Teratogenicity STOT - single expose	ure	Has been tox birth defects i Causes dama Target Organ	ic to the fetus in laborato in laboratory animals. age to organs. Route of E s: Kidney.	ry animals at doses toxic t xposure: Inhalation	
Teratogenicity	ure	Has been tox birth defects i Causes dama Target Organ Causes dama	ic to the fetus in laborato in laboratory animals. age to organs. Route of E is: Kidney. age to organs through pro	ry animals at doses toxic t xposure: Inhalation plonged or repeated expos	ure. In animals, effects have
Teratogenicity STOT - single exposi	ure	Has been tox birth defects i Causes dama Target Organ Causes dama been reported	ic to the fetus in laborato in laboratory animals. age to organs. Route of E is: Kidney. age to organs through pro d on the following organs	ry animals at doses toxic t xposure: Inhalation blonged or repeated expos : Central nervous system,	ure. In animals, effects have Kidney, Lung, Respiratory
Teratogenicity STOT - single expose	ure	Has been tox birth defects i Causes dama Target Organ Causes dama been reported	ic to the fetus in laborato in laboratory animals. age to organs. Route of E is: Kidney. age to organs through pro d on the following organs observations in animals	ry animals at doses toxic t xposure: Inhalation blonged or repeated expos : Central nervous system,	ure. In animals, effects have
Teratogenicity STOT - single expose STOT - repeated exp	ure osure	Has been tox birth defects i Causes dama Target Organ Causes dama been reported tract, Thyroid	ic to the fetus in laborato in laboratory animals. age to organs. Route of E is: Kidney. age to organs through pro d on the following organs observations in animals	ry animals at doses toxic t xposure: Inhalation blonged or repeated expos : Central nervous system,	ure. In animals, effects have Kidney, Lung, Respiratory
Teratogenicity STOT - single expose STOT - repeated exp <u>Numerical measures of t</u>	ure osure	Has been tox birth defects i Causes dama Target Organ Causes dama been reported tract, Thyroid teeth and bor	ic to the fetus in laborato in laboratory animals. age to organs. Route of E is: Kidney. age to organs through pro d on the following organs observations in animals nes.	ry animals at doses toxic t xposure: Inhalation blonged or repeated expos : Central nervous system,	ure. In animals, effects have Kidney, Lung, Respiratory
Teratogenicity STOT - single expose STOT - repeated exp <u>Numerical measures of t</u> Oral LD50	ure osure	Has been tox birth defects i Causes dama Target Organ Causes dama been reported tract, Thyroid teeth and bor 100.20 mg/kg	ic to the fetus in laborato in laboratory animals. age to organs. Route of E is: Kidney. age to organs through pro d on the following organs observations in animals nes.	ry animals at doses toxic t xposure: Inhalation blonged or repeated expos : Central nervous system,	ure. In animals, effects have Kidney, Lung, Respiratory
Teratogenicity STOT - single expose STOT - repeated exp <u>Numerical measures of t</u> Oral LD50 Gas	ure osure <u>oxicity</u>	Has been tox birth defects i Causes dama Target Organ Causes dama been reported tract, Thyroid teeth and bor 100.20 mg/kg 100.20 mg/L	ic to the fetus in laborato in laboratory animals. age to organs. Route of E is: Kidney. age to organs through pro d on the following organs observations in animals nes.	ry animals at doses toxic t xposure: Inhalation blonged or repeated expos : Central nervous system,	ure. In animals, effects have Kidney, Lung, Respiratory
Teratogenicity STOT - single expose STOT - repeated exp <u>Numerical measures of t</u> Oral LD50	ure osure <u>oxicity</u>	Has been tox birth defects i Causes dama Target Organ Causes dama been reported tract, Thyroid teeth and bor 100.20 mg/kg	ic to the fetus in laborato in laboratory animals. age to organs. Route of E is: Kidney. age to organs through pro d on the following organs observations in animals nes.	ry animals at doses toxic t xposure: Inhalation blonged or repeated expos : Central nervous system,	ure. In animals, effects have Kidney, Lung, Respiratory

# **12. ECOLOGICAL INFORMATION**

# **Ecotoxicity**

Very toxic to aquatic life.

# **Component Information**

Chemical name	Algae/aquatic plants	Fish	Crustacea
Sulfuryl fluoride	EyC50, Pseudokirchneriella	LC50, Danio rerio (zebra fish), static	EC50, Daphnia magna (Water flea),
	subcapitata (green algae), static	test, 96 Hour, 0.89 mg/l	static test, 48 Hour, 0.62 mg/l
	test, 96 Hour, Growth inhibition (cell		
	density reduction), 3.05 mg/l		
	EbC50, Pseudokirchneriella		
	subcapitata (green algae), static		
	test, 72 Hour, Biomass, 0.58 mg/l		
	ErC50, Pseudokirchneriella		
	subcapitata (green algae), static		
	test, 72 Hour, Growth rate inhibition,		
	1.13 mg/l		

Persistence/Degradability Chemical degradation (hydrolysis) is expected in the environment.

# **Bioaccumulation**

Bioconcentration potential is low (BCF < 100 or Log Pow < 3). Partition coefficient: n-octanol/water (log Pow): 0.41 Estimated.

# Mobility

Potential for mobility in soil is very high (Koc between 0 and 50). Partition coefficient (Koc): 6 Estimated

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Other Adverse Effects Toxicity to Above Ground Organisms LC50, Apis mellifera (bees), 2 Hour, mortality, 6.5mg/l LC50, Colinus virginianus (Bobwhite quail), 4 Hour, 1,844 ppm

# **13. DISPOSAL CONSIDERATIONS**

### Waste Treatment Methods

Disposal of Wastes	If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

# California Hazardous Waste Status

Chemical name	California Hazardous Waste Status
Sulfuryl fluoride	Toxic
2699-79-8	

# **14. TRANSPORT INFORMATION**

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<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions, exceptions*, and special circumstances.
DOT UN/ID No Proper Shipping Name Hazard class Marine Pollutant	UN2191 Sulfuryl Fluoride 2.3 Yes*
	* Pipeline and Hazardous Materials Safety Administration, Department of Transportation in 49CFR §172.203(l)(4) states: "Except when all or part of transportation is by vessel, marine pollutants in non-bulk packagings are not subject to the requirements of paragraphs (l)(1) and (l)(2) of this section (see §171.4 of this subchapter.)" §171.4(c)(1) states: "Except when all or part of the transportation is by vessel, the requirements of this subchapter specific to marine pollutants do not apply to non-bulk packagings transported by motor vehicle, rail car or aircraft".
IATA	Forbidden
<u>IMDG</u> UN number Proper Shipping Name Transport hazard class(es) Marine Pollutant	UN2191 Sulfuryl Fluoride 2.3 Yes

# **15. REGULATORY INFORMATION**

### International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Sulfuryl fluoride	Х	Х	Х	Х	Х	Х	Х	

### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### US Federal Regulations

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values	
			%	
Sulfuryl fluoride - 2699-79-8	2699-79-8	99.8	1.0	

### US State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sulfuryl fluoride	Х	Х	Х
2699-79-8			

### EPA Pesticide Registration Number EPA Reg. No. 1015-79

### **EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

### EPA Pesticide Label

Extremely Hazardous Liquid And Vapor Under Pressure. Fatal If Inhaled. May Be Fatal If Swallowed. Liquid May Cause Freeze Burns of Exposed Skin. Do not get in eyes, on skin, or on clothing. Vikane specialty gas fumigant is odorless. Exposure to toxic levels may occur without warning or detection by the user.

### Difference between SDS and EPA pesticide label

	EPA	OSHA
Signal Word	Danger	Danger
Acute toxicity - Oral	May be fatal if swallowed	Toxic if swallowed
Acute toxicity - Inhalation	Fatal if inhaled	Fatal if inhaled
Specific target organ toxicity (single exposure)	N/A	Causes damage to organs
Specific target organ toxicity (repeated exposure)		May cause damage to organs through prolonged or repeated
	N/A	exposure

# **16. OTHER INFORMATION**

<u>NFPA</u>	Health Hazards	Flammability	Instability 0	Special Hazards None			
<u>HMIS</u>	Health Hazards	<b>Flammability</b> Not determined	Physical hazards Not determined	Personal Protection Not determined			
Issue Date: Revision Date:	23-Feb-2019 14-June-2023						
Revision Note:	Updated classifications in Section 2. Updated Section 14 to reflect DOT allows an exception for non-bulk by land only relative to classifications of Marine Pollutants.						

<u>Disclaimer</u>

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet