



## Safety Data Sheet

Classified according to WHMIS 2015

### SECTION 1: Identification

#### 1.1. Product Identifier

**Trade Name or Designation:** VeriSpec<sup>®</sup> 200 ppm: C<sub>2</sub>H<sub>5</sub>Br, C<sub>2</sub>H<sub>5</sub>Cl, CH<sub>3</sub>Cl, CCl<sub>2</sub>F<sub>2</sub>, CCl<sub>3</sub>F, C<sub>2</sub>H<sub>3</sub>Cl in Methanol EPA 502/ASTM  
Manufactured and Tested in an ISO 17025/ISO 17034 Accredited Facility

**Product Number:** RV012031

**Other Identifying Product Numbers:**

#### 1.2. Recommended Use and Restrictions on Use

Calibration Standard

#### 1.3. Details of the Supplier of the Safety Data Sheet

**Company:** Ricca Chemical Company

**Address:** 448 West Fork Drive

Arlington, TX 76012 USA

**Telephone:** 888-467-4222

#### 1.4. Emergency Telephone Number (24 hours)

CHEMTREC (USA)

800-424-9300

CHEMTREC (International)

1+ 703-527-3887

# Safety Data Sheet

## SECTION 2: Hazard(s) Identification

### 2.1. Classification of the Substance or Mixture

For the full text of the Hazard and Precautionary Statements listed below, see Section 16.

Hazard Class	Category	Hazard Statements:	Precautionary Statements:
Acute Toxicity - Oral	Category 3	H301	P264, P270, P301+P310, P321, P330, P405, P501
Eye Damage / Irritation	Category 2	H319	P264, P280, P305+P351+P338, P337+P313
Reproductive Toxicity	Category 1	H360	P201, P202, P280, P308+P313, P405, P501
Specific Target Organs/Systemic Toxicity Following Single Exposure	Category 2	H371	P260, P264, P270, P308+P311, P405, P501
Flammable Liquids	Category 2	H225	P210, P233, P240, P241, P242, P243, P280, P303+P361+P353, P370+P378, P403+P235, P501

### 2.2. GHS Label Elements

Pictograms:



Signal Word: **Danger**

Hazard Statements:

Hazard Number	Hazard Statement
H225	Highly flammable liquid and vapor.
H301	Toxic if swallowed.
H319	Causes serious eye irritation.
H360	May damage fertility or the unborn child.
H371	May cause damage to organs.

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**Precautionary Statements:**

Precautionary Number	Precautionary Statement
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks and open flame. No smoking.
P233	Keep container tightly closed.
P240	Ground container and receiving equipment.
P241	Use explosion-proof equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes, mist, vapors, or spray.
P264	Wash arms, hands and face thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves and eye protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or physician.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P311	IF exposed or concerned: Call a POISON CENTER or physician.
P308+P313	IF exposed or concerned: Get medical attention.
P321	Specific treatment (Wash areas of contact with water.).
P330	Rinse mouth.
P337+P313	If eye irritation persists: Get medical attention.
P370+P378	In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents in accordance with local, state, federal and international regulations.

**2.4. Hazards not Otherwise Classified or Covered by GHS**

Data not available.

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## SECTION 3: Composition / Information on Ingredients

### 3.1. Components of Substance or Mixture

Chemical Name	Formula	Molecular Weight	CAS Number	Weight%
Methyl Alcohol	CH <sub>3</sub> OH	32.04 g/mol	67-56-1	99.88
Dichlorodifluoromethane	CCl <sub>2</sub> F <sub>2</sub>	120.91 g/mol	75-71-8	< 0.1
Trichlorofluoromethane	CCl <sub>3</sub> F	137.36 g/mol	75-69-4	< 0.1
Vinyl Chloride	C <sub>2</sub> H <sub>3</sub> Cl	62.49 g/mol	75-01-4	< 0.1
Chloroethane	C <sub>2</sub> H <sub>5</sub> Cl	64.51 g/mol	75-00-3	< 0.1
Chloromethane	CH <sub>3</sub> Cl	50.48 g/mol	74-87-3	< 0.1
Bromomethane	CH <sub>3</sub> Br	94.93 g/mol	74-83-9	< 0.1

## SECTION 4: First-Aid Measures

### 4.1. General First Aid Information

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Inhalation:** Not expected to require first aid. If necessary, remove to fresh air.

**Skin Contact:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

**Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER or physician.

### 4.2. Most Important Symptoms and Effects, Acute and Delayed

Toxic if swallowed. Causes serious eye irritation. May damage fertility or the unborn child. May cause damage to organs.

### 4.3. Medical Attention or Special Treatment Needed

Specific treatment (Wash areas of contact with water.).

## SECTION 5: Fire-Fighting Measures

### 5.1. Extinguishing Media

In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.

### 5.2. Specific Hazards Arising from the Substance or Mixture

Highly flammable liquid and vapor.

### 5.3. Special Protective Equipment for Firefighters

Wear protective clothing and NIOSH-approved breathing equipment appropriate for the surrounding fire.



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### SECTION 6: Accidental Release Measures

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye protection.

#### 6.2. Cleanup and Containment Methods and Materials

Absorb with suitable material and dispose of in accordance with local regulations.

### SECTION 7: Handling and Storage

#### 7.1. Precautions for Safe Handling and Storage Conditions

Store locked up.

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## SECTION 8: Exposure Controls / Personal Protection

### 8.1 Control Parameters

Chemical Name	Limit Type	Country	Exposure Limit	Information Source
Methyl Alcohol (67-56-1)	TLV-STEL	USA	"250 ppm STEL" As Methanol [67-56-1]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Methyl Alcohol (67-56-1)	TWA	USA	"200 ppm TWA; 260 mg/m <sup>3</sup> TWA" As Methyl alcohol [67-56-1]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Methyl Alcohol (67-56-1)	TLV-TWA	USA	"200 ppm TWA" As Methanol [67-56-1]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Methyl Alcohol (67-56-1)	TWA	USA	"200 ppm TWA; 260 mg/m <sup>3</sup> TWA" As Methyl alcohol [67-56-1]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Methyl Alcohol (67-56-1)	TLV-TWA	USA	"200 ppm TWA" As Methanol [67-56-1]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Methyl Alcohol (67-56-1)	TLV-STEL	USA	"250 ppm STEL" As Methanol [67-56-1]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Methyl Alcohol (67-56-1)	TWA	USA	200 ppm TWA; 260 mg/m <sup>3</sup> TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Methyl Alcohol (67-56-1)	TLV-TWA	USA	200 ppm TWA	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Methyl Alcohol (67-56-1)	TLV-STEL	USA	250 ppm STEL	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Methyl Alcohol (67-56-1)	TLV-TWA	USA	"200 ppm TWA" As Methanol [67-56-1]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Methyl Alcohol (67-56-1)	TLV-STEL	USA	"250 ppm STEL" As Methanol [67-56-1]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Methyl Alcohol (67-56-1)	TWA	USA	"200 ppm TWA; 260 mg/m <sup>3</sup> TWA" As Methyl alcohol [67-56-1]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Bromomethane (74-83-9)	TLV-TWA	USA	"1 ppm TWA" As Methyl bromide [74-83-9]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Bromomethane (74-83-9)	PEL-Ceiling	USA	"20 ppm Ceiling; 80 mg/m <sup>3</sup> Ceiling" As Methyl bromide [74-83-9]	U.S. - OSHA - Final PELs - Ceiling Limits
Bromomethane (74-83-9)	TLV-TWA	USA	"1 ppm TWA" As Methyl bromide [74-83-9]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)

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Bromomethane (74-83-9)	PEL-Ceiling	USA	"20 ppm Ceiling; 80 mg/m <sup>3</sup> Ceiling" As Methyl bromide [74-83-9]	U.S. - OSHA - Final PELs - Ceiling Limits
Bromomethane (74-83-9)	PEL-Ceiling	USA	20 ppm Ceiling; 80 mg/m <sup>3</sup> Ceiling	U.S. - OSHA - Final PELs - Ceiling Limits
Bromomethane (74-83-9)	TLV-TWA	USA	1 ppm TWA	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Bromomethane (74-83-9)	TLV-TWA	USA	"1 ppm TWA" As Methyl bromide [74-83-9]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Bromomethane (74-83-9)	PEL-Ceiling	USA	"20 ppm Ceiling; 80 mg/m <sup>3</sup> Ceiling" As Methyl bromide [74-83-9]	U.S. - OSHA - Final PELs - Ceiling Limits
Chloromethane (74-87-3)	PEL-Ceiling	USA	"200 ppm Ceiling" As Methyl chloride [74-87-3]	U.S. - OSHA - Final PELs - Ceiling Limits
Chloromethane (74-87-3)	TLV-TWA	USA	"50 ppm TWA" As Methyl chloride [74-87-3]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Chloromethane (74-87-3)	TWA	USA	"100 ppm TWA" As Methyl chloride [74-87-3]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Chloromethane (74-87-3)	TLV-STEL	USA	"100 ppm STEL" As Methyl chloride [74-87-3]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Chloromethane (74-87-3)	TWA	USA	"100 ppm TWA" As Methyl chloride [74-87-3]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Chloromethane (74-87-3)	PEL-Ceiling	USA	"200 ppm Ceiling" As Methyl chloride [74-87-3]	U.S. - OSHA - Final PELs - Ceiling Limits
Chloromethane (74-87-3)	TLV-TWA	USA	"50 ppm TWA" As Methyl chloride [74-87-3]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Chloromethane (74-87-3)	TLV-STEL	USA	"100 ppm STEL" As Methyl chloride [74-87-3]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Chloromethane (74-87-3)	TLV-STEL	USA	"100 ppm STEL" As Methyl chloride [74-87-3]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Chloromethane (74-87-3)	TLV-TWA	USA	"50 ppm TWA" As Methyl chloride [74-87-3]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Chloromethane (74-87-3)	TWA	USA	"100 ppm TWA" As Methyl chloride [74-87-3]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Chloromethane (74-87-3)	PEL-Ceiling	USA	"200 ppm Ceiling" As Methyl chloride [74-87-3]	U.S. - OSHA - Final PELs - Ceiling Limits
Chloromethane (74-87-3)	TLV-STEL	USA	"100 ppm STEL" As Methyl chloride [74-87-3]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Chloromethane (74-87-3)	TWA	USA	"100 ppm TWA" As Methyl chloride [74-87-3]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)

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Chloromethane (74-87-3)	PEL-Ceiling	USA	"200 ppm Ceiling" As Methyl chloride [74-87-3]	U.S. - OSHA - Final PELs - Ceiling Limits
Chloromethane (74-87-3)	TLV-TWA	USA	"50 ppm TWA" As Methyl chloride [74-87-3]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Chloromethane (74-87-3)	TLV-STEL	USA	"100 ppm STEL" As Methyl chloride [74-87-3]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Chloromethane (74-87-3)	PEL-Ceiling	USA	"200 ppm Ceiling" As Methyl chloride [74-87-3]	U.S. - OSHA - Final PELs - Ceiling Limits
Chloromethane (74-87-3)	TWA	USA	"100 ppm TWA" As Methyl chloride [74-87-3]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Chloromethane (74-87-3)	TLV-TWA	USA	"50 ppm TWA" As Methyl chloride [74-87-3]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Chloromethane (74-87-3)	TLV-TWA	USA	50 ppm TWA	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Chloromethane (74-87-3)	TLV-STEL	USA	100 ppm STEL	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Chloromethane (74-87-3)	TWA	USA	100 ppm TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Chloromethane (74-87-3)	PEL-Ceiling	USA	200 ppm Ceiling	U.S. - OSHA - Final PELs - Ceiling Limits
Chloromethane (74-87-3)	TLV-TWA	USA	"50 ppm TWA" As Methyl chloride [74-87-3]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Chloromethane (74-87-3)	TWA	USA	"100 ppm TWA" As Methyl chloride [74-87-3]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Chloromethane (74-87-3)	PEL-Ceiling	USA	"200 ppm Ceiling" As Methyl chloride [74-87-3]	U.S. - OSHA - Final PELs - Ceiling Limits
Chloromethane (74-87-3)	TLV-STEL	USA	"100 ppm STEL" As Methyl chloride [74-87-3]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Chloroethane (75-00-3)	TLV-TWA	USA	100 ppm TWA	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Chloroethane (75-00-3)	TWA	USA	1000 ppm TWA; 2600 mg/m <sup>3</sup> TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Chloroethane (75-00-3)	TLV-TWA	USA	"100 ppm TWA" As Ethyl chloride [75-00-3]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Chloroethane (75-00-3)	TWA	USA	"1000 ppm TWA; 2600 mg/m <sup>3</sup> TWA" As Ethyl chloride [75-00-3]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Vinyl Chloride (75-01-4)	PEL-STEL	USA	"5 ppm STEL (see 29 CFR 1910.1017)" As Vinyl chloride [75-01-4]	U.S. - OSHA - Final PELs - Short Term Exposure Limits



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Vinyl Chloride (75-01-4)	PEL	USA	"0.5 ppm Action Level (See 29 CFR 1910.1017); 1 ppm TWA; 5 ppm STEL (15 min)" As Vinyl chloride [75-01-4]	U.S. - OSHA - Specifically Regulated Chemicals with PELs
Vinyl Chloride (75-01-4)	TLV-TWA	USA	"1 ppm TWA" As Vinyl chloride [75-01-4]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Vinyl Chloride (75-01-4)	TWA	USA	"1 ppm TWA" As Vinyl chloride [75-01-4]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Vinyl Chloride (75-01-4)	TWA	USA	1 ppm TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Vinyl Chloride (75-01-4)	TLV-TWA	USA	1 ppm TWA	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Vinyl Chloride (75-01-4)	PEL	USA	0.5 ppm Action Level (See 29 CFR 1910.1017); 1 ppm TWA; 5 ppm STEL (15 min)	U.S. - OSHA - Specifically Regulated Chemicals with PELs
Vinyl Chloride (75-01-4)	PEL-STEEL	USA	5 ppm STEL (see 29 CFR 1910.1017)	U.S. - OSHA - Final PELs - Short Term Exposure Limits
Vinyl Chloride (75-01-4)	TLV-TWA	USA	"1 ppm TWA" As Vinyl chloride [75-01-4]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Vinyl Chloride (75-01-4)	PEL	USA	"0.5 ppm Action Level (See 29 CFR 1910.1017); 1 ppm TWA; 5 ppm STEL (15 min)" As Vinyl chloride [75-01-4]	U.S. - OSHA - Specifically Regulated Chemicals with PELs
Vinyl Chloride (75-01-4)	TWA	USA	"1 ppm TWA" As Vinyl chloride [75-01-4]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Vinyl Chloride (75-01-4)	PEL-STEEL	USA	"5 ppm STEL (see 29 CFR 1910.1017)" As Vinyl chloride [75-01-4]	U.S. - OSHA - Final PELs - Short Term Exposure Limits
Trichlorofluoromethane (75-69-4)	TLV-Ceiling	USA	"1000 ppm Ceiling" As Trichlorofluoromethane [75-69-4]	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Trichlorofluoromethane (75-69-4)	TWA	USA	"1000 ppm TWA; 5600 mg/m <sup>3</sup> TWA" As Fluorotrichloromethane [75-69-4]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Trichlorofluoromethane (75-69-4)	TWA	USA	1000 ppm TWA; 5600 mg/m <sup>3</sup> TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Trichlorofluoromethane (75-69-4)	TLV-Ceiling	USA	1000 ppm Ceiling	ACGIH - Threshold Limit Values - Ceilings (TLV-C)

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Trichlorofluoromethane (75-69-4)	TWA	USA	"1000 ppm TWA; 5600 mg/m <sup>3</sup> TWA" As Fluorotrichloromethane [75-69-4]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Trichlorofluoromethane (75-69-4)	TLV-Ceiling	USA	"1000 ppm Ceiling" As Trichlorofluoromethane [75-69-4]	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Trichlorofluoromethane (75-69-4)	TLV-Ceiling	USA	"1000 ppm Ceiling" As Trichlorofluoromethane [75-69-4]	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Trichlorofluoromethane (75-69-4)	TWA	USA	"1000 ppm TWA; 5600 mg/m <sup>3</sup> TWA" As Fluorotrichloromethane [75-69-4]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Trichlorofluoromethane (75-69-4)	TWA	USA	"1000 ppm TWA; 5600 mg/m <sup>3</sup> TWA" As Fluorotrichloromethane [75-69-4]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Trichlorofluoromethane (75-69-4)	TLV-Ceiling	USA	"1000 ppm Ceiling" As Trichlorofluoromethane [75-69-4]	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Dichlorodifluoromethane (75-71-8)	TLV-TWA	USA	"1000 ppm TWA" As Dichlorodifluoromethane [75-71-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Dichlorodifluoromethane (75-71-8)	TWA	USA	"1000 ppm TWA; 4950 mg/m <sup>3</sup> TWA" As Dichlorodifluoromethane [75-71-8]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Dichlorodifluoromethane (75-71-8)	TWA	USA	"1000 ppm TWA; 4950 mg/m <sup>3</sup> TWA" As Dichlorodifluoromethane [75-71-8]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Dichlorodifluoromethane (75-71-8)	TLV-TWA	USA	"1000 ppm TWA" As Dichlorodifluoromethane [75-71-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Dichlorodifluoromethane (75-71-8)	TWA	USA	"1000 ppm TWA; 4950 mg/m <sup>3</sup> TWA" As Dichlorodifluoromethane [75-71-8]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)

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Dichlorodifluoromethane (75-71-8)	TLV-TWA	USA	"1000 ppm TWA" As Dichlorodifluoromethane [75-71-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Dichlorodifluoromethane (75-71-8)	TLV-TWA	USA	1000 ppm TWA	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Dichlorodifluoromethane (75-71-8)	TWA	USA	1000 ppm TWA; 4950 mg/m <sup>3</sup> TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Dichlorodifluoromethane (75-71-8)	TLV-TWA	USA	"1000 ppm TWA" As Dichlorodifluoromethane [75-71-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Dichlorodifluoromethane (75-71-8)	TWA	USA	"1000 ppm TWA; 4950 mg/m <sup>3</sup> TWA" As Dichlorodifluoromethane [75-71-8]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)

### 8.2. Exposure Controls

**Engineering Controls:** No specific controls are needed. Normal room ventilation is adequate.

**Respiratory Protection:** No specific controls are needed. Normal room ventilation is adequate.

**Skin Protection:** Wear protective gloves and eye protection.

**Eye Protection:** Wear protective gloves and eye protection.

### 8.3. Personal Protective Equipment

Wear protective gloves and eye protection.



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### SECTION 9: Physical and Chemical Properties

#### 9.1. Basic Physical and Chemical Properties

**Appearance:** Data not available.

**Physical State:** Liquid

**Odor:** Data not available.

**Odor Threshold:** Data not available.

**pH:** Data not available.

**Melting/Freezing Point:** Data not available.

**Initial Boiling Point/Range:** Data not available.

**Flash Point:** Data not available.

**Evaporation Rate:** Data not available.

**Flammability:** Data not available.

**Flammability/Explosive Limits:** Data not available.

**Vapor Pressure:** Data not available.

**Vapor Density:** Data not available.

**Relative Density:** 0.80

**Solubility:** Data not available.

**Partition Coefficient:** Data not available.

**Auto-Ignition Temperature:** Data not available.

**Decomposition Temperature:** Data not available.

**Viscosity:** Data not available.

**Explosive Properties:** Data not available.

**Oxidizing Properties:** Data not available.

### SECTION 10: Stability and Reactivity

#### 10.1. Reactivity and Chemical Stability

Stable under normal conditions of use and storage.

#### 10.2. Possibility of Hazardous Reactions

Data not available.

#### 10.3. Conditions to Avoid and Incompatible Materials

Keep away from heat, sparks and open flame. No smoking. Keep container tightly closed.

#### 10.4. Hazardous Decomposition Products

May emit irritating fumes when heated to decomposition.



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### SECTION 11: Toxicological Information

#### 11.1. Information on Toxicological Effects

**Acute Toxicity - Oral Exposure:**

Toxic if swallowed. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water.). Rinse mouth. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

**Acute Toxicity - Dermal Exposure:**

Not applicable.

**Acute Toxicity - Inhalation Exposure:**

Not applicable.

**Acute Toxicity - Other Information:**

Data not available.

**Skin Corrosion and Irritation:**

Not applicable.

**Serious Eye Damage and Irritation:**

Causes serious eye irritation. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Respiratory Sensitization:**

Not applicable.

**Skin Sensitization:**

Not applicable.

**Germ Cell Mutagenicity:**

Not applicable.

**Carcinogenicity:**

Not applicable.

**Reproductive Toxicity:**

May damage fertility or the unborn child. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

**Specific Target Organ Toxicity from Single Exposure:**

May cause damage to organs. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. IF exposed or concerned: Call a POISON CENTER or physician. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

**Specific Target Organ Toxicity from Repeated Exposure:**

Not applicable.



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**Aspiration Hazard:**

Not applicable.

**Additional Toxicology Information:**

Data not available.

### SECTION 12: Ecological Information

**12.1. Ecotoxicity**

Not applicable.

**12.2. Persistence and Degradability**

Data not available.

**12.3. Bioaccumulative Potential**

Data not available.

**12.4. Mobility in Soil**

Data not available.

**12.5. Other Adverse Ecological Effects**

Data not available.

### SECTION 13: Disposal Considerations

**13.1. Waste Treatment Methods**

Data not available.

### SECTION 14: Transportation Information

**14.1. Transportation by Land-Department of Transportation (DOT, United States of America)**

**Sizes:** 1 mL

**UN Number:** UN1230

**Proper Shipping Name:** Methanol

**Hazard Class:** 3

**Packing Group:** II

**Hazard Label(s):**



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### 14.2. Transportation by Air - International Air Transport Association (IATA)

**Sizes:** 1 mL

**UN Number:** UN1230

**Proper Shipping Name:** Methanol

**Hazard Class:** 3 (6.1)

**Packing Group:** II

**Hazard Label(s):**



### 14.3 Transportation of Dangerous Goods (TDG, Canada)

**Sizes:** 1 mL

**UN Number:** UN1230

**Proper Shipping Name:** METHANOL

**Hazard Class:** 3

**Packing Group:** II

**Hazard Label(s):**



## SECTION 15: Regulatory Information

### 15.1. Occupational Safety and Health Administration (OSHA) Hazards

Vinyl Chloride (CAS # 75-01-4): "0.5 ppm Action Level (See 29 CFR 1910.1017)

Vinyl Chloride (CAS # 75-01-4): 0.5 ppm Action Level (See 29 CFR 1910.1017)

Vinyl Chloride (CAS # 75-01-4): 1 ppm TWA (See 29 CFR 1910.1017)

Vinyl Chloride (CAS # 75-01-4): 5 ppm STEL (See 29 CFR 1910.1017, 15 min)

Vinyl Chloride (CAS # 75-01-4): 5 ppm STEL (See 29 CFR 1910.1017, 15 min)" As Vinyl chloride [75-01-4]

### 15.2. Superfund Amendments and Reauthorization Act (SARA) 302 Extremely Hazardous Substances

Bromomethane (CAS # 74-83-9): "1000 lb EPCRA RQ" As Methyl bromide [74-83-9]

Bromomethane (CAS # 74-83-9): "1000 lb TPQ" As Methyl bromide [74-83-9]

Bromomethane (CAS # 74-83-9): 1000 lb EPCRA RQ

Bromomethane (CAS # 74-83-9): 1000 lb TPQ

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### 15.3. Superfund Amendments and Reauthorization Act (SARA) 311/312 Hazardous Chemicals

Methyl Alcohol (CAS # 67-56-1): "5000 lb final RQ  
Methyl Alcohol (CAS # 67-56-1): 2270 kg final RQ  
Methyl Alcohol (CAS # 67-56-1): 2270 kg final RQ" As Methanol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): 5000 lb final RQ  
Bromomethane (CAS # 74-83-9): "1000 lb final RQ  
Bromomethane (CAS # 74-83-9): 1000 lb final RQ  
Bromomethane (CAS # 74-83-9): 454 kg final RQ  
Bromomethane (CAS # 74-83-9): 454 kg final RQ" As Bromomethane [74-83-9]  
Chloromethane (CAS # 74-87-3): "100 lb final RQ  
Chloromethane (CAS # 74-87-3): 100 lb final RQ  
Chloromethane (CAS # 74-87-3): 45.4 kg final RQ  
Chloromethane (CAS # 74-87-3): 45.4 kg final RQ" As Chloromethane [74-87-3]  
Chloroethane (CAS # 75-00-3): "100 lb final RQ  
Chloroethane (CAS # 75-00-3): 100 lb final RQ  
Chloroethane (CAS # 75-00-3): 45.4 kg final RQ  
Chloroethane (CAS # 75-00-3): 45.4 kg final RQ" As Chloroethane [75-00-3]  
Vinyl Chloride (CAS # 75-01-4): "1 lb final RQ  
Vinyl Chloride (CAS # 75-01-4): 0.454 kg final RQ  
Vinyl Chloride (CAS # 75-01-4): 0.454 kg final RQ" As Ethene, chloro- [75-01-4]  
Vinyl Chloride (CAS # 75-01-4): 1 lb final RQ  
Trichlorofluoromethane (CAS # 75-69-4): "5000 lb final RQ  
Trichlorofluoromethane (CAS # 75-69-4): 2270 kg final RQ  
Trichlorofluoromethane (CAS # 75-69-4): 2270 kg final RQ" As Methane, trichlorofluoro- [75-69-4]  
Trichlorofluoromethane (CAS # 75-69-4): 5000 lb final RQ  
Dichlorodifluoromethane (CAS # 75-71-8): "5000 lb final RQ  
Dichlorodifluoromethane (CAS # 75-71-8): 2270 kg final RQ  
Dichlorodifluoromethane (CAS # 75-71-8): 2270 kg final RQ" As Dichlorodifluoromethane [75-71-8]  
Dichlorodifluoromethane (CAS # 75-71-8): 5000 lb final RQ



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### 15.4. Superfund Amendments and Reauthorization Act (SARA) 313 Toxic Release Inventory (TRI)

Methyl Alcohol (CAS # 67-56-1): "1.0 % de minimis concentration" As Methanol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): 1.0 % de minimis concentration  
Bromomethane (CAS # 74-83-9): "1.0 % de minimis concentration" As Bromomethane [74-83-9]  
Bromomethane (CAS # 74-83-9): 1.0 % de minimis concentration  
Chloromethane (CAS # 74-87-3): "1.0 % de minimis concentration" As Chloromethane [74-87-3]  
Chloromethane (CAS # 74-87-3): 1.0 % de minimis concentration  
Chloroethane (CAS # 75-00-3): "1.0 % de minimis concentration" As Chloroethane [75-00-3]  
Chloroethane (CAS # 75-00-3): 1.0 % de minimis concentration  
Vinyl Chloride (CAS # 75-01-4): "0.1 % de minimis concentration" As Vinyl chloride [75-01-4]  
Vinyl Chloride (CAS # 75-01-4): 0.1 % de minimis concentration  
Trichlorofluoromethane (CAS # 75-69-4): "1.0 % de minimis concentration" As Trichlorofluoromethane [75-69-4]  
Trichlorofluoromethane (CAS # 75-69-4): 1.0 % de minimis concentration  
Dichlorodifluoromethane (CAS # 75-71-8): "1.0 % de minimis concentration" As Dichlorodifluoromethane [75-71-8]  
Dichlorodifluoromethane (CAS # 75-71-8): 1.0 % de minimis concentration

### 15.5. Massachusetts Right-to-Know Substance List

Methyl Alcohol (CAS # 67-56-1): "Present" As Methanol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): Present  
Bromomethane (CAS # 74-83-9): "Extraordinarily hazardous" As Methyl bromide [74-83-9]  
Bromomethane (CAS # 74-83-9): Extraordinarily hazardous  
Chloromethane (CAS # 74-87-3): "Present" As Chloromethane [74-87-3]  
Chloromethane (CAS # 74-87-3): Present  
Chloroethane (CAS # 75-00-3): "Present" As Chloroethane [75-00-3]  
Chloroethane (CAS # 75-00-3): Present  
Vinyl Chloride (CAS # 75-01-4): "Carcinogen"  
Vinyl Chloride (CAS # 75-01-4): Carcinogen  
Vinyl Chloride (CAS # 75-01-4): Extraordinarily hazardous  
Vinyl Chloride (CAS # 75-01-4): Teratogen  
Vinyl Chloride (CAS # 75-01-4): Teratogen" As Chloroethylene [75-01-4]  
Trichlorofluoromethane (CAS # 75-69-4): "Present" As Fluorocarbon 11 [75-69-4]  
Trichlorofluoromethane (CAS # 75-69-4): Present  
Dichlorodifluoromethane (CAS # 75-71-8): "Present" As Dichlorodifluoromethane [75-71-8]  
Dichlorodifluoromethane (CAS # 75-71-8): Present

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### 15.6. Pennsylvania Right-to-Know Hazardous Substances

- Methyl Alcohol (CAS # 67-56-1): "Environmental hazard" As Methanol [67-56-1]
- Methyl Alcohol (CAS # 67-56-1): "Present" As Denatured alcohols [RR-00113-8]
- Methyl Alcohol (CAS # 67-56-1): Environmental hazard
- Bromomethane (CAS # 74-83-9): "Environmental hazard" As Methane, bromo- [74-83-9]
- Bromomethane (CAS # 74-83-9): Environmental hazard
- Chloromethane (CAS # 74-87-3): "Environmental hazard" As Methane, chloro- [74-87-3]
- Chloromethane (CAS # 74-87-3): Environmental hazard
- Chloroethane (CAS # 75-00-3): "Environmental hazard" As Ethane, chloro- [75-00-3]
- Chloroethane (CAS # 75-00-3): Environmental hazard
- Vinyl Chloride (CAS # 75-01-4): "Environmental hazard"
- Vinyl Chloride (CAS # 75-01-4): "Environmental hazard" As Ethene, chloro- [75-01-4]
- Vinyl Chloride (CAS # 75-01-4): "Special hazardous substance" As Ethene, chloro- [75-01-4]
- Vinyl Chloride (CAS # 75-01-4): Environmental hazard
- Vinyl Chloride (CAS # 75-01-4): Special hazardous substance
- Vinyl Chloride (CAS # 75-01-4): Special hazardous substance" As Ethene, chloro- [75-01-4]
- Trichlorofluoromethane (CAS # 75-69-4): "Environmental hazard" As Methane, trichlorofluoro- [75-69-4]
- Trichlorofluoromethane (CAS # 75-69-4): Environmental hazard
- Dichlorodifluoromethane (CAS # 75-71-8): "Environmental hazard" As Methane, dichlorodifluoro- [75-71-8]
- Dichlorodifluoromethane (CAS # 75-71-8): Environmental hazard

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### 15.7. New Jersey Worker and Community Right-to-Know Components

Methyl Alcohol (CAS # 67-56-1): "flammable - third degree"  
Methyl Alcohol (CAS # 67-56-1): "SN 1222 500 lb TPQ" As Methanol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): "sn 1222" As Methyl alcohol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): flammable - third degree  
Methyl Alcohol (CAS # 67-56-1): sn 1222  
Methyl Alcohol (CAS # 67-56-1): SN 1222 500 lb TPQ  
Methyl Alcohol (CAS # 67-56-1): teratogen  
Methyl Alcohol (CAS # 67-56-1): teratogen" As Methyl alcohol [67-56-1]  
Bromomethane (CAS # 74-83-9): "mutagen" As Methyl bromide [74-83-9]  
Bromomethane (CAS # 74-83-9): "SN 1231 500 lb TPQ" As Bromomethane [74-83-9]  
Bromomethane (CAS # 74-83-9): "sn 1231" As Methyl bromide [74-83-9]  
Bromomethane (CAS # 74-83-9): mutagen  
Bromomethane (CAS # 74-83-9): sn 1231  
Bromomethane (CAS # 74-83-9): SN 1231 500 lb TPQ  
Chloromethane (CAS # 74-87-3): "flammable - fourth degree"  
Chloromethane (CAS # 74-87-3): "SN 1235 500 lb TPQ" As Chloromethane [74-87-3]  
Chloromethane (CAS # 74-87-3): "sn 1235" As Methyl chloride [74-87-3]  
Chloromethane (CAS # 74-87-3): flammable - fourth degree  
Chloromethane (CAS # 74-87-3): sn 1235  
Chloromethane (CAS # 74-87-3): SN 1235 500 lb TPQ  
Chloromethane (CAS # 74-87-3): teratogen  
Chloromethane (CAS # 74-87-3): teratogen" As Methyl chloride [74-87-3]  
Chloroethane (CAS # 75-00-3): "flammable - fourth degree" As Ethyl chloride [75-00-3]  
Chloroethane (CAS # 75-00-3): "SN 0863 500 lb TPQ" As Chloroethane [75-00-3]  
Chloroethane (CAS # 75-00-3): "sn 0863" As Ethyl chloride [75-00-3]  
Chloroethane (CAS # 75-00-3): flammable - fourth degree  
Chloroethane (CAS # 75-00-3): sn 0863  
Chloroethane (CAS # 75-00-3): SN 0863 500 lb TPQ  
Vinyl Chloride (CAS # 75-01-4): "carcinogen"  
Vinyl Chloride (CAS # 75-01-4): "SN 2001 500 lb TPQ" As Vinyl chloride [75-01-4]  
Vinyl Chloride (CAS # 75-01-4): "sn 2001" As Vinyl chloride [75-01-4]  
Vinyl Chloride (CAS # 75-01-4): carcinogen  
Vinyl Chloride (CAS # 75-01-4): flammable - fourth degree  
Vinyl Chloride (CAS # 75-01-4): mutagen  
Vinyl Chloride (CAS # 7

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### 15.8. California Proposition 65

Methyl Alcohol (CAS # 67-56-1): "developmental toxicity, 3/16/2012" As Methanol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): developmental toxicity, 3/16/2012  
Bromomethane (CAS # 74-83-9): "developmental toxicity, 1/1/1993 (as a structural fumigant)" As Methyl bromide [74-83-9]  
Bromomethane (CAS # 74-83-9): developmental toxicity, 1/1/1993 (as a structural fumigant)  
Chloromethane (CAS # 74-87-3): "developmental toxicity, 3/10/2000" As Methyl chloride [74-87-3]  
Chloromethane (CAS # 74-87-3): "male reproductive toxicity, 8/7/09" As Methyl chloride [74-87-3]  
Chloromethane (CAS # 74-87-3): developmental toxicity, 3/10/2000  
Chloromethane (CAS # 74-87-3): male reproductive toxicity, 8/7/09  
Chloroethane (CAS # 75-00-3): "150 µg/day NSRL" As Chloroethane [75-00-3]  
Chloroethane (CAS # 75-00-3): "carcinogen, 7/1/1990" As Chloroethane [75-00-3]  
Chloroethane (CAS # 75-00-3): 150 µg/day NSRL  
Chloroethane (CAS # 75-00-3): carcinogen, 7/1/1990  
Vinyl Chloride (CAS # 75-01-4): "3 µg/day NSRL" As Vinyl chloride [75-01-4]  
Vinyl Chloride (CAS # 75-01-4): "carcinogen, 2/27/1987" As Vinyl chloride [75-01-4]  
Vinyl Chloride (CAS # 75-01-4): 3 µg/day NSRL  
Vinyl Chloride (CAS # 75-01-4): carcinogen, 2/27/1987

### 15.9. Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)

Methyl Alcohol (CAS # 67-56-1): "Present" As Alcohols, C1-3 [68475-56-9] (NDSL)  
Methyl Alcohol (CAS # 67-56-1): "Present" As Methyl alcohol [67-56-1] (DSL)  
Methyl Alcohol (CAS # 67-56-1): Present (DSL)  
Methyl Alcohol (CAS # 67-56-1): Present (NDSL)  
Bromomethane (CAS # 74-83-9): "Present" As Bromomethane [74-83-9] (DSL)  
Bromomethane (CAS # 74-83-9): Present (DSL)  
Chloromethane (CAS # 74-87-3): "Present" As Methyl chloride [74-87-3] (DSL)  
Chloromethane (CAS # 74-87-3): Present (DSL)  
Chloroethane (CAS # 75-00-3): "Present" As Ethyl chloride [75-00-3] (DSL)  
Chloroethane (CAS # 75-00-3): Present (DSL)  
Vinyl Chloride (CAS # 75-01-4): "Present" As Vinyl chloride [75-01-4] (DSL)  
Vinyl Chloride (CAS # 75-01-4): Present (DSL)  
Trichlorofluoromethane (CAS # 75-69-4): "Present" As Trichlorofluoromethane [75-69-4] (DSL)  
Trichlorofluoromethane (CAS # 75-69-4): Present (DSL)  
Dichlorodifluoromethane (CAS # 75-71-8): "Present" As Dichlorodifluoromethane [75-71-8] (DSL)  
Dichlorodifluoromethane (CAS # 75-71-8): Present (DSL)

### 15.10. United States of America Toxic Substances Control Act (TSCA) List

All components of this solution are listed as active on the TSCA Inventory or are mixtures (hydrates) of active items listed on the TSCA Inventory.

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Methyl Alcohol (CAS # 67-56-1): "Present (ACTIVE)" As Methanol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): Present (ACTIVE)  
Bromomethane (CAS # 74-83-9): "Present (ACTIVE)" As Methane, bromo- [74-83-9]  
Bromomethane (CAS # 74-83-9): Present (ACTIVE)  
Chloromethane (CAS # 74-87-3): "Present (ACTIVE)" As Methane, chloro- [74-87-3]  
Chloromethane (CAS # 74-87-3): Present (ACTIVE)  
Chloroethane (CAS # 75-00-3): "Present (ACTIVE)" As Ethane, chloro- [75-00-3]  
Chloroethane (CAS # 75-00-3): Present (ACTIVE)  
Vinyl Chloride (CAS # 75-01-4): "Present (ACTIVE)" As Ethene, chloro- [75-01-4]  
Vinyl Chloride (CAS # 75-01-4): Present (ACTIVE)  
Vinyl Chloride (CAS # 75-01-4): Present [XU] (ACTIVE)  
Trichlorofluoromethane (CAS # 75-69-4): "Present (ACTIVE)" As Methane, trichlorofluoro- [75-69-4]  
Trichlorofluoromethane (CAS # 75-69-4): Present (ACTIVE)  
Dichlorodifluoromethane (CAS # 75-71-8): "Present (ACTIVE)" As Methane, dichlorodifluoro- [75-71-8]  
Dichlorodifluoromethane (CAS # 75-71-8): Present (ACTIVE)

### **15.11. European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified Chemical Substances (ELINCS), and No Longer Polymers (NLP)**

Methyl Alcohol (CAS # 67-56-1): "200-659-6" As Methanol [67-56-1]  
Methyl Alcohol (CAS # 67-56-1): 200-659-6  
Methyl Alcohol (CAS # 67-56-1): 270-649-4  
Bromomethane (CAS # 74-83-9): "200-813-2" As Bromomethane [74-83-9]  
Bromomethane (CAS # 74-83-9): 200-813-2  
Chloromethane (CAS # 74-87-3): "200-817-4" As Chloromethane [74-87-3]  
Chloromethane (CAS # 74-87-3): 200-817-4  
Chloroethane (CAS # 75-00-3): "200-830-5" As Chloroethane [75-00-3]  
Chloroethane (CAS # 75-00-3): 200-830-5  
Vinyl Chloride (CAS # 75-01-4): "200-831-0" As Chloroethylene [75-01-4]  
Vinyl Chloride (CAS # 75-01-4): 200-831-0  
Trichlorofluoromethane (CAS # 75-69-4): "200-892-3" As Trichlorofluoromethane [75-69-4]  
Trichlorofluoromethane (CAS # 75-69-4): 200-892-3  
Dichlorodifluoromethane (CAS # 75-71-8): "200-893-9" As Dichlorodifluoromethane [75-71-8]  
Dichlorodifluoromethane (CAS # 75-71-8): 200-893-9

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## SECTION 16: Other Information

### 16.1. Full Text of Hazard Statements and Precautionary Statements

Highly flammable liquid and vapor. Toxic if swallowed. Causes serious eye irritation. May damage fertility or the unborn child. May cause damage to organs.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks and open flame. No smoking. Keep container tightly closed. Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves and eye protection.

IF SWALLOWED: Immediately call a POISON CENTER or physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water.). Rinse mouth. If eye irritation persists: Get medical attention. In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.

Store in a well-ventilated place. Keep cool. Store locked up.

Dispose of contents in accordance with local, state, federal and international regulations.

### 16.2. Miscellaneous Hazard Classes

**Canadian Carcinogenicity Hazard Class:** Not Applicable.

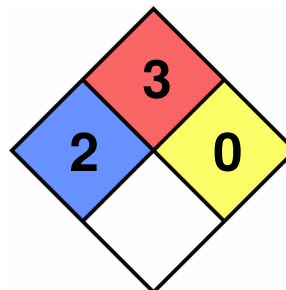
**Physical Hazards Not Otherwise Classified (PHNOC):** Not Applicable.

**Health Hazards Not Otherwise Classified (HHNOC):** Not Applicable.

**Biohazardous Infectious Materials Hazard Class:** Not Applicable.

### 16.3. National Fire Protection Association (NFPA) Rating

**Health:** 2  
**Flammability:** 3  
**Reactivity:** 0  
**Special Hazard:**



### 16.4. Document Revision

**Last Revision Date:** 2025-04-04

## DISCLAIMER

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.