MSDS for #25025 - IWATA ECLIPSE AIRBRUSH



1336 N Mason \* Portland, OR 97217 \* Ph.503.253.7308 \* Fx.503.253.0721

e-mail: info@iwata-medea.com \* website: www.iwata-medea.com

#### Medea Airbrush Cleaner

**1** Identification **Product identifier** Trade name: Super Flow SF -55 Product number: CCFI 01473 CAS number: Not available EC number: Not available Index number: Not available Product description: Cleaner Details of the supplier of the safety date sheet Manufacturer/Supplier: Custom Chemical Formulators, Inc. 8707 Millersgrove Drive Santa Fe Springs, CA 90670 Ph: (800) 424-9300 Iwata-Medea 1336 N Mason Street, Portland, OR 97217 info@iwata-medea.com 503-253-7308

2 Hazards(s) identification Hazard pictograms:



Signal word: Irritant Hazard statements:

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Eyes:Direct contact with concentrated product may cause moderate<br/>irritation and tearing.Skin:Repeated or prolonged contact may cause irritation or drying.Inhalation:Breathing dust or mist may irritate the nose and throat.Ingestion:Swallowing large quantities may cause nausea, vomiting,<br/>diarrhea and abdominal pain.Chronic Overexposure:None know

#### **3** Compositon/information on ingredients

Chemical characterization: Clear liquid Formula: Proprietary

#### **4 First-aid measures**

Description of first aid measures After inhalation: Move subject to fresh air. If breathing is difficult, obtain medical help After skin contact: Wash affected area with water. Consult a physician if irritation persists. After eye contact: Flush eyes with a large amount of water for at least 15 minutes. After swallowing: Never give anything by mouth to an unconscious person. Do not induce vomiting. Give large quantities of water. Get medical attention immediately.

#### **5** Fire-fighting measures

Flash point <sup>o</sup>F (test method): Autoignition Temperature: Flammability Limits in air (% V): Extinguishing Media: Not available Not available Not determined Water, Carbon Dioxides, Foam, Dry Chemical.

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Special Fire Fighting Procedures: Wear self contained breathing apparatus & full protective equipment.

#### 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: **Environmental precautions:** See Section 7 for information on safe handling: See Section 8 for information on personal protection equipment See Section 13 for disposal information

7 Handling and storage

Handling: No special precautions.

8 Exposure controls/personal protection

Personal protective equipment: General protective and hygienic measures: Breathing equipment: Not needed Protection of hands: Neoprene or rubber gloves Eye protection: safety glasses

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Unusual Fire & Explosion Hazards:	Extinguish all nearby sources of ignition

## 

#### 10 Stability and reactivity

Product Stability:	Stable
Conditions to avoid:	Extrem
Chemical Incompatibility:	Strong
	Dioxid
Hazardous Decomposition:	N/D

ne heat, spark, open flame g acid, avid vapor. May produce carbon le, carbon monoxide. N/D

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General information	c physical and chemica າ	li properties	
Physical state: Liqui	d		
Odor threshold: Not	available		
pH-value: Not applie	able		
Melting point: Not a	vailable		
Freezing Point: Not	available		
Initial boiling point:	Not available		
Flash point: Not ava	ilable		
Evaporation rate: N	ot available		
Flammability (solid,	gas): Not available		
Explosion limits: No	t available		
Vapor pressure: No	ot available		
Vapor density: Not a	available		
Relative density: No	ot available		
Solubility: Not availa			
Partition coefficien	t:		
Auto-ignition tempe	erature: Not available		
Decomposition tem	<b>perature:</b> Not available	2	

#### MSDS for #25025 - IWATA ECLIPSE AIRBRUSH

Hazardous Polymerization:	Will not occur
Corrosive to metal:	No
Oxidize :	No

#### 11 Toxicological information

Information on toxicological effects Acute toxicity: Primary irritant effect: on the skin: Repeated or prolonged contact may cause irritation or drying on the eye: Direct contact with concentrated solution may cause irritation or tearing Sensitization: Not available Additional toxicological information: None

#### **12** Ecological information

**Environmental toxicity date:** None available. **Spill or leak procedures:** Contain, collect and dispose of per local, state and federal regulations. **Additional ecological information:** None available.

#### **13** Disposal considerations

Recommendation: Per local, state, federal regulations

#### 14 Transport information

Bill of lading description: Super Flow SF-- 55

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# 15 Regulatory information NTP: National Toxicology Program IARC: International Agency for Research on Cancer Proposition 65: This product does not contain ingredients on the list of

Proposition 65:	This product does not contain ingredients on the list of
	proposition 65.
	State of California Safe Drinking Water and Toxic
	Enforcement act of 1986.
Section 313 Sara Title III:	The chemical (s) marked with a "yes" on section 313 are
	subject to the reporting requirements of this section

#### 16 Other information

Abbreviations and acronyms: N/A Date of preparation/last revision: 7/15/2014 While Custom Chemical Formulators believes the statements set forth herein are accurate as of the date hereof, Custom Chemical Formulators makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation, and verification. MSDS for #25025 - IWATA ECLIPSE AIRBRUSH



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#### **Comart Opaque Acrylic Solution**

1 Identification Product identifier : Various colors Trade name: Comart paint Product number: Various colors 1-001-1 to 1-204-1 1-001-4 to 1-204-2 1-001-16 to 1-204-2 1-001-32 to 1-204-32 1-001-5 to 1-204-5 CAS number: n/a EC number: N/A

EC number: N/A Index number: Product description: Acrylic paint Details of the supplier of the safety date sheet Manufacturer/Supplier:

Iwata-Medea 1336 N Mason Street, Portland, OR 97217 <u>info@iwata-medea.com</u> 503-253-7308

#### 2 Hazards(s) identification

Hazard pictograms:



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Signal word: Irritant Hazard statements: Contains approximately 4% ammonia and 3% isopropyl alcohol. All pigments are lead free Precautionary statements: N/A

**3** Compostion/information on ingredients

Chemical characterization: Varies

CAS No. Description: Varies

## 4 First-aid measures

Description of first aid measures After inhalation: No repertory protection required After skin contact: Wash with water; sensitive skin might show slight irritation After eye contact: Flush with plenty of water After swallowing: Call physician; do not induce vomiting Most important symptoms and effects, both acute and delayed: N/A

Indication of any immediate medical attention and special treatment needed: N/A

5 Fire-fighting measures

Extinguishing media: Unknown Suitable extinguishing agents: N/A Special hazards arising from the substances or mixture: None Advice for firefighters: None Protective equipment: None

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Personal precautions, protective equipment and emergency procedures: Environmental precautions: See Section 7 for information on safe handling: See Section 8 for information on personal protection equipment

See Section 13 for disposal information

#### 7 Handling and storage

Handling: No special precautions needed Precautions for safe handling: N/A Information about protection against explosions and fires: N/A Conditions for safe storage, including any incompatibilities: N/A Storage: N/A Requirements to be met by storerooms and receptacles: N/A Information about storage in one common storage facility: N/A Further information about storage conditions: Do not freeze Specific end use(s): N/A

8 Exposure controls/personal protection

Additional information about design of technical systems: Control parameters: Components with limit values that require monitoring at the workplace: Additional information: N/A Exposure Controls: N/A

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#### MSDS for #25025 - IWATA ECLIPSE AIRBRUSH

Personal protective equipment: N/A General protective and hygienic measures: N/A Breathing equipment: Local exhaust mechanical (general) Protection of hands: Only needed with extended contact Eye protection: Safety glasses

## 9 Physical and chemical properties

Information on basic physical and chemical properties General information Physical state: Liquid solution

Color: Varies Odor: Slightly ammonia Odor threshold: N/A pH-value: 8.5-9.0 Melting point: Not available Freezing Point: Not available Initial boiling point: Flash point: N/A Evaporation rate: Like water Flammability (solid, gas): N/A **Explosion limits: N/A** Vapor pressure: N/A Vapor density: Heavier **Relative density:** N/A Solubility: Infinite Partition coefficient: N/A Auto-ignition temperature: N/A **Decomposition temperature:** N/A

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**10 Stability and reactivity** 

Chemical stability: Stable Possibility of hazardous reactions: None are known. Conditions to avoid: Thermal decompostion or burning may produce carbon monoxide or carbon dioxide Materials to avoid: N/A Hazardous decomposition products: . N/A

**11 Toxicological information** 

Information on toxicological effects Acute toxicity: Unknown Primary irritant effect: on the skin: Sensitive skin may show mild irritation after extended contact on the eye: Irritation Sensitization: N/A Additional toxicological information: N/A

#### **12** Ecological information

Persistence and degradability: N/A Aquatic toxicity: N/A Additional ecological information: N/A

13 Disposal considerations

**Recommendation:** N/A

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14 Transport information

UN-number: N/A UN proper shipping name: N/A Transport hazard class: N/A Packing group: N/A Marine Pollutant: N/A Special precautions: None needed

15 Regu	latory	information	

NTP: N/A IARC: N/A Proposition 65: N/A

Section 313 Sara Title III: N/A

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16 Other information

Abbreviations and acronyms: N/A Date of preparation/last revision: 7/15/2014

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## AIR BLAST CANNED PROPELLANT SAFETY DATA SHEET

## Item #

020 010 6 oz AIRBLAST (12 bottles per case)

020 014 14 oz AIRBLAST (12 bottles per case)

#### **1** Identification

#### Product identifier

**Trade name:** Micro Freeze Circuit Cooler; #MCC-FRZ. Micro Blast Dry Circuit Cleaner, # MCC-DST, #MCC-DSTZ, Big Blast Dry Circuit Cleaner; #MCC-AIR, #MCC-AIRZ.

CAS number: 811-97-2 EC number: Not available Index number: Not available Product description: A clear, colorless liquefied gas. Details of the supplier of the safety date sheet Packaged by: Micro Care Corp., 595 John Downey Dive, New Britain, CT 06051 USA CAGE/FSCM: OATV9 Manufacturer/Supplier: Iwata-Medea 1336 N Mason Street, Portland, OR 97217 info@iwata-medea.com 503-253-7308 Emergency telephone: CHEMTREC (800) 424-9300

## 2 Hazards(s) identification

#### Classification of the substance of mixture

Item Numbers: 25025-2009

Hazard pictograms:



Signal word: Warning

Hazard statements: Irritant (skin and eye), harmful if inhaled

**Precautionary statements:** Avoid breathing vapors or mist. Keep containers closed. Use only with adequate ventilation. Avoid repeated or prolonged contact with eyes, skin or clothing. Wash thoroughly after handling. Do not store in direct sunlight. Store in cool dry place, away from heat, sparks, or flames which may generate toxic decomposition products. Vapors are heavy and may concentrate in low poorly ventilated areas.

## **3** Compostion/information on ingredients

Chemical characterization: CAS No. Description: Tetrafluoroethane #811-97-2 Chemical family: Halogenated Hydrocarbon Chemical formula: H<sub>2</sub> FCF<sub>3</sub>

## 4 First-aid measures

**Description of first aid measures** 

**Information for Doctor:** There is no specific antidote to overexposure. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Immediate medical attention for acute overexposure is required.

Most important symptoms and effects, both acute and delayed: Indication of any immediate medical attention and special treatment needed: Preexisting

disease of the central nervous or cardiovascular system may have increased susceptibility to the toxicity of excessive exposures.

**Eyes:** Immediately flush with water. Remove any contact lenses and continue flushing for 15 minutes, lifting eyelids occasionally until no evidence of the chemical remains. If irritation develops or persists call a physician.

**Skin:** Wash promptly with soap and warm water for at least 15 minutes. Remove contaminated clothing and shoes. If irritation develops or persists call a physician.

**Ingestion:** Not considered a potential route of exposure. Treat for possible frostbite. Swallowing less than an ounce of material is unlikely to cause significant harm. For larger amounts, do not induce vomiting. Call a physician.

**Inhalation:** Remove to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Note to Attending Physician:** There is no specific antidote to overexposure. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Immediate medical attention for acute overexposure is required.

## **5 Fire-fighting measures**

Flash Point: Will not burn.
Auto ignition Temperature: > 750° C
Flammable Limits in Air: LEL/UEL: Not applicable.
Extinguishing Media: Use dry chemical, "alcohol" foam, CO2 or water.
Special Firefighting Procedures: Evacuate personnel. Wear self-contained breathing apparatus (SCBA) and full protective equipment. Keep containers cool. Containers build pressure under fire conditions causing violent bursting and dangerous propelling of container.

#### 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: In event of spill or leak: Spill or Leak: Although the chance of a large spill or leak is unlikely in aerosol containers, in the event of such an occurrence, evacuate area. Protected personnel should remove ignition sources and shut off fire sources. Provide ventilation.

#### **Environmental precautions:**

See Section 7 for information on safe handling: See Section 8 for information on personal protection equipment

## See Section 13 for disposal information

## 7 Handling and storage

#### Handling:

**Precautions for safe handling:** Avoid breathing vapors or mist. Keep containers closed. Use only with adequate ventilation. Avoid repeated or prolonged contact with eyes, skin or clothing. Wash thoroughly after handling. Do not store in direct sunlight. Store in cool dry place, away from heat, sparks, or flames which may generate toxic decomposition products. Vapors are heavy and may concentrate in low poorly ventilated areas.

Information about protection against explosions and fires: Not available Conditions for safe storage, including any incompatibilities: Not available Storage: Not available

Requirements to be met by storerooms and receptacles: Not available Information about storage in one common storage facility: Not available Further information about storage conditions: Not available Specific end use(s): Not available

approved NIOSH se	<b>ction:</b> Use only with adequate ventilation. Keep container closed. Use elf-contained or supplied air respirators for emergencies and in situatior displaced by vapors.
Eye Protection: U	se chemical protective safety glasses
Protective Clothin	g: Where there is potential for skin contact, use appropriate impervious
gloves, apron, pan	ts and jacket
<b>Exposure Guidelin</b>	es: Applicable Exposure Limits.
<b>Tetrafluoroethane</b>	
PEL (OSHA)	non established
TLV (ACGIH)	non established
AEL (DuPont)	1000 ppm, 8 & 12 hour TWA
WEEL (AIHA)	1000 ppm, 8 hour TWA
NFPA, NPCS-HIMIS	S RATING:
	Health 1
	Flammability 0
	Reactivity 1
Personal protectio	n rating to be supplied by user depending on use conditions.

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## 9 Physical and chemical properties Information on basic physical and chemical properties **General information** Physical state: Color: None Odor: slight ethereal Odor threshold: Not available pH-value: Not applicable Melting point: -26.5° C / -15.7° F Freezing Point: Not available Initial boiling point: Not available Flash point: Not available Evaporation rate: Not available Flammability (solid, gas): Not available Explosion limits: Not available Vapor pressure: 96 psia @ 25° C/ 77° F Vapor density: 3.6 @ 25° C / 77° F Percent volatile by weight: 100 Relative density: Not available Solubility: Not available Partition coefficient: Not available Auto-ignition temperature: Not available Decomposition temperature: Not available

## **10 Stability and reactivity**

Chemical Stability: Material is stable
Hazardous Polymerization: Will not occur.
Incompatibilities: Avoid oxidizing materials which can cause a reaction.
Decomposition Products: High temperatures (open flames, glowing metal surfaces, etc.) will decompose this material forming hydrofluoric acid and possibility carbonyl fluoride.

Item Numbers: 25025-2009

#### **11** Toxicological information

#### Information on toxicological effects

#### Acute toxicity:

#### Potential health effects

**Eye contact:** Vapor contact: May irritate and cause pain and watering.

Liquid contact: Direct contact may irritate seriously with risk of frostbite. Persons wearing contact lenses should wear chemical protective safety glasses when using this product. **Skin contact:** Contact can cause frostbite.

**Ingestion:** Not considered a potential route of exposure due to the volatile nature of material. Contact with liquid can cause frostbite to mouth and throat tissues.

**Inhalation:** Harmful if inhaled. Inhalation of high concentrations of vapors is harmful and may cause heart irregularities, unconsciousness or death. Intentional misuse or deliberate inhalation may cause death without warning. Vapor reduces oxygen available for breathing and is heavier than air.

Sensitization: No information available.

**Additional toxicological information:** Carcinogenicity: None of the components present in this product are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

#### **12** Ecological information

#### Persistence and degradability: Aquatic toxicity: 48 hour EC50 – Daphnia magna: 980 mg/L 96 hour LC50 – Rainbow Trout: 450 mg/L

## **13 Disposal considerations**

**Recommendation:** Waste Disposal: Recover by distillation or remove to a permitted waste disposal facility. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local Regulations

#### **14 Transport information**

Transport for Aerosol Packaging:

Ground Transport: Consumer Commodity ORM-D Air Transport: Refrigerant Gas, N.O.S. (Tetrafluoroethane), UN1078, Class 2.0, Pkg. Group N/A, Pkg. Instr. 200, Authorization: "Cargo Aircraft Only" per DOT-E-10232. Note: Exemption copy required with shipping papers. Hazard Label: Nonflammable Gas.

## **15 Regulatory information**

Section 313 Supplier Information: This material contains the following toxic chemicals subject to the<br/>emergency reporting requirements of section 313 of the Emergency Planning and Community Right<br/>to Know Act of 1986 and 40 CFR 372.CAS#Chemical Name% by Weight.

100

811-97-2

This information must be included in all MSDS's that are copied and distributed fro this material.

#### **16 Other information**

For additional information, contact Tech Support at Micro Care: Telephone (860) 827-0626 or e-mail: techsupport @ microcare.com Date of Last Revision: 4/30/2015

Tetrafluoroethane

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this 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. The information in the sheet was written based on the best knowledge and experience currently available.



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## AIR BLAST CANNED PROPELLANT SAFETY DATA SHEET

#### Item #

020 010 6 oz AIRBLAST (12 bottles per case)

020 014 14 oz AIRBLAST (12 bottles per case)

#### **1** Identification

#### **Product identifier**

**Trade name:** Micro Freeze Circuit Cooler; #MCC-FRZ. Micro Blast Dry Circuit Cleaner, # MCC-DST, #MCC-DSTZ, Big Blast Dry Circuit Cleaner; #MCC-AIR, #MCC-AIRZ.

CAS number: 811-97-2 EC number: Not available Index number: Not available Product description: A clear, colorless liquefied gas. Details of the supplier of the safety date sheet Packaged by: Micro Care Corp., 595 John Downey Dive, New Britain, CT 06051 USA CAGE/FSCM: OATV9 Manufacturer/Supplier: Iwata-Medea 1336 N Mason Street, Portland, OR 97217 info@iwata-medea.com 503-253-7308 Emergency telephone: CHEMTREC (800) 424-9300

## 2 Hazards(s) identification

#### Classification of the substance of mixture

Item Numbers: 25025-2009

Hazard pictograms:



Signal word: Warning

Hazard statements: Irritant (skin and eye), harmful if inhaled

**Precautionary statements:** Avoid breathing vapors or mist. Keep containers closed. Use only with adequate ventilation. Avoid repeated or prolonged contact with eyes, skin or clothing. Wash thoroughly after handling. Do not store in direct sunlight. Store in cool dry place, away from heat, sparks, or flames which may generate toxic decomposition products. Vapors are heavy and may concentrate in low poorly ventilated areas.

## **3 Compostion/information on ingredients**

Chemical characterization: CAS No. Description: Tetrafluoroethane #811-97-2 Chemical family: Halogenated Hydrocarbon Chemical formula: H<sub>2</sub> FCF<sub>3</sub>

## 4 First-aid measures

**Description of first aid measures** 

**Information for Doctor:** There is no specific antidote to overexposure. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Immediate medical attention for acute overexposure is required.

Most important symptoms and effects, both acute and delayed: Indication of any immediate medical attention and special treatment needed: Preexisting

disease of the central nervous or cardiovascular system may have increased susceptibility to the toxicity of excessive exposures.

**Eyes:** Immediately flush with water. Remove any contact lenses and continue flushing for 15 minutes, lifting eyelids occasionally until no evidence of the chemical remains. If irritation develops or persists call a physician.

**Skin:** Wash promptly with soap and warm water for at least 15 minutes. Remove contaminated clothing and shoes. If irritation develops or persists call a physician.

**Ingestion:** Not considered a potential route of exposure. Treat for possible frostbite. Swallowing less than an ounce of material is unlikely to cause significant harm. For larger amounts, do not induce vomiting. Call a physician.

**Inhalation:** Remove to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Note to Attending Physician:** There is no specific antidote to overexposure. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Immediate medical attention for acute overexposure is required.

## **5 Fire-fighting measures**

Flash Point: Will not burn.
Auto ignition Temperature: > 750° C
Flammable Limits in Air: LEL/UEL: Not applicable.
Extinguishing Media: Use dry chemical, "alcohol" foam, CO2 or water.
Special Firefighting Procedures: Evacuate personnel. Wear self-contained breathing apparatus (SCBA) and full protective equipment. Keep containers cool. Containers build pressure under fire conditions causing violent bursting and dangerous propelling of container.

#### **6 Accidental release measures**

Personal precautions, protective equipment and emergency procedures: In event of spill or leak: Spill or Leak: Although the chance of a large spill or leak is unlikely in aerosol containers, in the event of such an occurrence, evacuate area. Protected personnel should remove ignition sources and shut off fire sources. Provide ventilation.

#### **Environmental precautions:**

See Section 7 for information on safe handling: See Section 8 for information on personal protection equipment

## See Section 13 for disposal information

## 7 Handling and storage

#### Handling:

**Precautions for safe handling:** Avoid breathing vapors or mist. Keep containers closed. Use only with adequate ventilation. Avoid repeated or prolonged contact with eyes, skin or clothing. Wash thoroughly after handling. Do not store in direct sunlight. Store in cool dry place, away from heat, sparks, or flames which may generate toxic decomposition products. Vapors are heavy and may concentrate in low poorly ventilated areas.

Information about protection against explosions and fires: Not available Conditions for safe storage, including any incompatibilities: Not available Storage: Not available

Requirements to be met by storerooms and receptacles: Not available Information about storage in one common storage facility: Not available Further information about storage conditions: Not available Specific end use(s): Not available

approved NIOSH se	<b>ction:</b> Use only with adequate ventilation. Keep container closed. Use elf-contained or supplied air respirators for emergencies and in situatior displaced by vapors.
Eye Protection: U	se chemical protective safety glasses
Protective Clothin	g: Where there is potential for skin contact, use appropriate impervious
gloves, apron, pan	ts and jacket
<b>Exposure Guidelin</b>	es: Applicable Exposure Limits.
<b>Tetrafluoroethane</b>	
PEL (OSHA)	non established
TLV (ACGIH)	non established
AEL (DuPont)	1000 ppm, 8 & 12 hour TWA
WEEL (AIHA)	1000 ppm, 8 hour TWA
NFPA, NPCS-HIMIS	S RATING:
	Health 1
	Flammability 0
	Reactivity 1
Personal protectio	n rating to be supplied by user depending on use conditions.

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## 9 Physical and chemical properties Information on basic physical and chemical properties **General information** Physical state: Color: None Odor: slight ethereal Odor threshold: Not available pH-value: Not applicable Melting point: -26.5° C / -15.7° F Freezing Point: Not available Initial boiling point: Not available Flash point: Not available Evaporation rate: Not available Flammability (solid, gas): Not available Explosion limits: Not available Vapor pressure: 96 psia @ 25° C/ 77° F Vapor density: 3.6 @ 25° C / 77° F Percent volatile by weight: 100 Relative density: Not available Solubility: Not available Partition coefficient: Not available Auto-ignition temperature: Not available Decomposition temperature: Not available

#### **10 Stability and reactivity**

Chemical Stability: Material is stable
Hazardous Polymerization: Will not occur.
Incompatibilities: Avoid oxidizing materials which can cause a reaction.
Decomposition Products: High temperatures (open flames, glowing metal surfaces, etc.) will decompose this material forming hydrofluoric acid and possibility carbonyl fluoride.

Item Numbers: 25025-2009

#### **11 Toxicological information**

#### Information on toxicological effects

#### Acute toxicity:

#### Potential health effects

**Eye contact:** Vapor contact: May irritate and cause pain and watering.

Liquid contact: Direct contact may irritate seriously with risk of frostbite. Persons wearing contact lenses should wear chemical protective safety glasses when using this product. **Skin contact:** Contact can cause frostbite.

**Ingestion:** Not considered a potential route of exposure due to the volatile nature of material. Contact with liquid can cause frostbite to mouth and throat tissues.

**Inhalation:** Harmful if inhaled. Inhalation of high concentrations of vapors is harmful and may cause heart irregularities, unconsciousness or death. Intentional misuse or deliberate inhalation may cause death without warning. Vapor reduces oxygen available for breathing and is heavier than air.

Sensitization: No information available.

**Additional toxicological information:** Carcinogenicity: None of the components present in this product are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

#### **12** Ecological information

#### Persistence and degradability: Aquatic toxicity: 48 hour EC50 – Daphnia magna: 980 mg/L 96 hour LC50 – Rainbow Trout: 450 mg/L

## **13 Disposal considerations**

**Recommendation:** Waste Disposal: Recover by distillation or remove to a permitted waste disposal facility. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local Regulations

#### **14 Transport information**

Transport for Aerosol Packaging:

Ground Transport: Consumer Commodity ORM-D Air Transport: Refrigerant Gas, N.O.S. (Tetrafluoroethane), UN1078, Class 2.0, Pkg. Group N/A, Pkg. Instr. 200, Authorization: "Cargo Aircraft Only" per DOT-E-10232. Note: Exemption copy required with shipping papers. Hazard Label: Nonflammable Gas.

## **15 Regulatory information**

Section 313 Supplier Information: This material contains the following toxic chemicals subject to the<br/>emergency reporting requirements of section 313 of the Emergency Planning and Community Right<br/>to Know Act of 1986 and 40 CFR 372.CAS#Chemical Name% by Weight.

100

811-97-2

This information must be included in all MSDS's that are copied and distributed fro this material.

## **16 Other information**

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Tetrafluoroethane

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