

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.02.2020, Revised 8.16.2022

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SSSCAT™ Unscented

SECTION 1: Identification

Product identifier

Product name: SSSCAT™ Unscented

Product code: SSSCAT™ Unscented

Additional information: None

Recommended use of the product and restriction on use

Relevant identified uses: Spray deterrent and training aid.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Supplier:

Radio Systems Corp

10427 PetSafe Way

Knoxville, TN 37919

865-777-5454

Emergency telephone number:

CHEMTEL

Within USA and Canada: 1-888-533-7762

Outside USA and Canada: +1-813-708-1083

SECTION 2: Hazard(s) identification

GHS classification:

Liquified gases.

Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H280 Contains gas under pressure; may explode if heated

Precautionary statements:

P251 Pressurized container. Do not pierce or burn, even after use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P284 Wear respiratory protection.

P308+P313 If exposed or concerned: Get medical advice/attention.

P410+P403 Protect from sunlight. Store in a well-ventilated place.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 29118-24-9	trans-1,3,3,3-Tetrafluoropropene	100

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Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

No additional information.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position.

Maintain an unobstructed airway.

Get medical advice/attention if you feel unwell.

After skin contact:

Rinse affected area with soap and water.

If symptoms develop or persist, seek medical attention.

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

If symptoms develop or persist, seek medical attention.

After swallowing:

Rinse mouth thoroughly.

Seek medical attention if irritation, discomfort, or vomiting persists.

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not available.

Delayed symptoms and effects:

Not determined or not available.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not available.

Notes for the doctor:

No additional information.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

Unsuitable extinguishing media:

No information available.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors.

Contents under pressure.

In a fire or if heated, a pressure increase will occur, and the container may burst or explode.

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

Special precautions:

Shut off sources of ignition.

Heating causes a rise in pressure, risk of bursting and combustion.

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SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

- Ensure air handling systems are operational.
- Wear protective eye wear, gloves and clothing.
- Vapors can accumulate in low areas.
- Ensure adequate ventilation.

Environmental precautions:

- Should not be released into the environment.

Methods and material for containment and cleaning up:

- Wear protective eye wear, gloves and clothing.
- Unprotected personnel should not return to the affected area until air has been tested and determined safe.
- Dispose of contents / container in accordance with local regulations.

Reference to other sections:

- None

SECTION 7: Handling and storage

Precautions for safe handling:

- Use only with adequate ventilation.
- Avoid breathing vapors and contact with eyes, skin, or clothing.
- Do not eat, drink, smoke or use personal products when handling chemical substances.
- Do not puncture, crush, or incinerate containers, even when empty.
- Protect cylinders from physical damage.

Conditions for safe storage, including any incompatibilities:

- Protect from freezing and physical damage.
- Protect from direct sunlight.
- Store in a cool, well-ventilated area.
- Store cylinders upright.

SECTION 8: Exposure controls/personal protection

Occupational Exposure limit values:

- No occupational exposure limits noted for the ingredient(s).

Biological limit value:

- No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

- Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
- Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

- Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:

- Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

- Select glove material impermeable and resistant to the substance.

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If prolonged contact with liquid or gas is anticipated, insulated gloves constructed of PVA, neoprene or butyl rubber should be used.

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Colorless liquefied gas
Odor	Slight ether-like
Odor threshold	Not determined or not available.
pH	Neutral
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	-19°C
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	4 (Air = 1.0)
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	0.373 g/L
Partition coefficient (n-octanol/water)	log Pow 1.6
Auto/Self-ignition temperature	368°C
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

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Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

Protect from sunlight and do not expose to temperatures exceeding 50°C.

Incompatible materials:

Alkali metals.

Hazardous decomposition products:

Pyrolysis products containing fluoride.

Fluorocarbons.

Hydrogen fluoride.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC): None of the ingredients are listed.

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

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Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Information on likely routes of exposure: No data available.

Symptoms related to the physical, chemical and toxicological characteristics: No data available.

Other information: No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects:

No information available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

SECTION 14: Transport information

Hazard Class or Division

2.2 Non-flammable gas



United States Department of Transportation (49 CFR 173.304)

UN number	UN3163
DOT Proper shipping name	Liquefied Gas, n.o.s., (Trans-1,3,3,3-Tetrafluoroprop-1-ene)
DOT Special Provisions	This item ships in accordance with the U.S. DOT-SP 11516 Special Permit

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International Maritime Dangerous Goods (IMDG)

UN number	UN1950
UN proper shipping name	Aerosols, non-flammable
PI/Special Provision	P207/SP277
Limited quantity	30kg (66lb) or less for packages, 1L (33oz) or less for inner packages. 


International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	UN1950
UN proper shipping name	Aerosols, non-flammable
PI/Special Provision	Y203
Limited quantity	30kg (66lb) or less for packages, 1L (33oz) or less for inner packages.  


International Carriage of Dangerous Goods by Road (ADR)

UN Number	UN1950
Proper Shipping Name	Aerosols, non-flammable
PI/Special Provision	P207
Limited Quantity	30kg (66lb) or less for packages, 1L (33oz) or less for inner packages. 

Australia Dangerous Goods (ADG)

UN Number	UN1950
Proper Shipping Name	Aerosols, non-flammable
PI/Special Provision	P207/SP277
Limited Quantity	30kg (66lb) or less for packages, 1L (33oz) or less for inner packages. 

Transportation of Dangerous Goods Canada (TDG)

UN Number	UN1950
Proper Shipping Name	Aerosols, non-flammable
PI/Special Provision	P207/SP277
Limited Quantity	30kg (66lb) or less for packages, 1L (33oz) or less for inner packages. 

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA): Not determined.

Significant New Use Rule (TSCA Section 5): Not listed

Export notification under TSCA Section 12(b): Not listed

SARA Section 311/312 hazards:

Acute	Chronic	Fire	Pressure	Reactive
No	No	No	Yes	No

SARA Section 302 extremely hazardous substances: Not listed

SARA Section 313 toxic chemicals: Not listed

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CERCLA: Not listed

RCRA: Not listed

Section 112(r) of the Clean Air Act (CAA): Not listed

Massachusetts Right to Know: Not listed

New Jersey Right to Know: Not listed

New York Right to Know: Not listed

Pennsylvania Right to Know: Not listed

California Proposition 65: Not listed

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 0-1-0

HMIS: 0-1-0

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End of Safety Data Sheet