Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024 Issue date: 8/24/2021 Revision date: 6/16/2025 Version: 2.0

SECTION 1 Identification



Topical Anesthetic Canister

2 wt. oz. and 4 wt. oz.

SAFETY DATA SHEET (SDS) 1.1. Product identifier Product form : Mixture Product name CoolJect Topical Anesthetic Canister 2 Product code CJ02050, CJ04050 : Vaporizer : Aerosol 1.2. Other means of identification No additional information available 1.3. Recommended use of the chemical and restrictions on use Use of the substance/mixture : Topical Anesthetic 1.4. Supplier's details Manufacturer Vapocoolshot, Inc 950 Peninsula Corporate Circle

950 Peninsula Corporate Circle Suite #2011 Boca Raton, FI. 33487 USA T 1-833-cooljct, 1-833-266-5528 https://coolject.com/

1.5. Emergency phone number

Emergency number

: 1-833-cooljct, (1-833-266-5528)

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| SECTION 2 Hazard Identification | |
|---|---|
| 2.1. Classification of the substance or m | ixture |
| GHS US classification | |
| Aerosol, Category 3 | Pressurized container; may burst if heated. |
| Simple asphyxiant, Category 1 | May displace oxygen and cause rapid suffocation. |
| 2.2. Label elements | |
| GHS US labeling | |
| Signal word (GHS US) | : Warning |
| Hazard statements (GHS US) | : Pressurized container; may burst if heated May displace oxygen and cause rapid sufficiation |
| Precautionary statements (GHS US) | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 122 °F (50 °C). |
| 2.3. Hazards associated with known or re | easonably anticipated uses |

No additional information available

2.4. Hazards not otherwise classified

This product does not contain any substance classified as PBT or vPvB.

2.5. Unknown acute toxicity

Not applicable

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

| 3.2. Mixtures | | |
|------------------------------|--------------------|----|
| Name | Product identifier | % |
| 1,1,1,3,3-Pentafluoropropane | CAS-No.: 460-73-1 | 95 |
| 1,1,1,2-Tetrafluoroethane | CAS-No.: 811-97-2 | 5 |

SECTION 4 First aid measures

| 4.1. Description of necessary first-aid measure | Sures |
|---|--|
| First-aid measures after inhalation | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a POISON CENTER or doctor/physician if you feel unwell. DO NOT give epinephrine (adrenaline). |
| First-aid measures after skin contact | : If frostbite occurs thaw frosted parts with lukewarm water. Do not rub affected area. Do not use hot water. If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists. |
| First-aid measures after eye contact | : If frostbite occurs thaw frosted parts with lukewarm water. Do not rub affected area. Do not use hot water. 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 advice/attention. |

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| First-aid measures after ingestion | : Not expected to be a primary route of exposure. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. DO NOT give stimulants. |
|---|--|
| 4.2. Most important symptoms/effects, acute | and delayed |
| Symptoms/effects after inhalation | : May displace oxygen and cause rapid suffocation. May cause irritation to the respiratory tract. Symptoms of oxygen deficiency include respiratory difficulty, headache, dizziness, nausea, unconsciousness or death. Vapors are heavier than air and can cause suffocation by reducing oxygen available for breathing. When oxygen levels in air reduced to 12-14% by displacement, symptoms of asphyxiation, loss of coordination, increased pulse rate and deeper respiration will occur. At high levels, cardiac arrhythmia may occur. |
| Symptoms/effects after skin contact | : May cause frostbite on contact the liquefied gas. May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. |
| Symptoms/effects after eye contact | May cause frostbite on contact the liquefied gas. May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. |
| Symptoms/effects after ingestion | : None under normal use. May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Discomfort due to volatility would be expected. |
| 4.3. Indication of immediate medical attentio | n and special treatment needed, if necessary |
| Other medical advice or treatment | : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |

| SECTION 5: Fire-fighting measures | | |
|---|--|--|
| 5.1. Suitable (and unsuitable) extinguishing i | media | |
| Suitable extinguishing media Unsuitable extinguishing media | Extinguish with alcohol- resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet. | |
| 5.2. Specific hazards arising from the chemic | cal | |
| Fire hazard | Products of combustion may include, and are not limited to: oxides of carbon. Thermal decomposition or combustion products may include harmful gases and vapors. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Bursting aerosol containers may be propelled from a fire at high speed. Not flammable at ambient temperatures and atmospheric pressure. However, this material will become combustible when mixed with air under pressure and exposed to strong ignition sources contact with certain reactive metals may result in formation of explosive or exothermic reactions under specific conditions (e.g. very high temperatures and/or appropriate pressures). | |
| 5.3. Special protective equipment and precautions for fire-fighters | | |
| Firefighting instructions | Move containers away from the fire area if this can be done without risk. Cool closed containers exposed to fire with water spray. Firefighters should wear self-contained, NIOSH approved breathing apparatus for protection against possible toxic decomposition products. Proper eye and skin protection should be provided. The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire. | |
| Protection during firefighting | Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). | |

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| SECTION 6 Accidental release measures | | |
|--|---|--|
| 6.1. Personal precautions, protective equipment and emergency procedures | | |
| General measures | : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Isolate from fire, if possible, without unnecessary risk. | |
| For non-emergency personnel | | |
| No additional information available | | |
| For emergency responders | | |
| Environmental precautions | : Prevent release to the environment. Prevent entry to sewers and public waters. | |
| 6.2. Methods and materials for containment and cleaning up | | |
| For containment | : Stop leak if safe to do so. Remove all sources of ignition. Wear recommended personal protective equipment. | |
| Methods for cleaning up | : Provide ventilation and allow gas to dissipate. | |

For further information refer to section 8: "Exposure controls/personal protection"

| SECTION 7 Handling and storage | | |
|--|---|--|
| 7.1. Precautions for safe handling | | |
| Precautions for safe handling Hygiene measures Additional hazards when processed | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Keep container upright. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled area. Evacuate area. Wash contaminated clothing before reuse. Always wash hands after handling the product. Container under pressure. Do not drill or burn even after use. Hazardous waste due to potential risk of explosion. Risk of explosion. | |
| 7.2. Conditions for safe storage, including incompatibilities | | |
| Storage conditions | : Keep out of the reach of children. Store away from direct sunlight or other heat sources. Store tightly closed in a dry, cool and well-ventilated place. Protect against physical damage. Do not subject to temperatures above 120'F(50'C). Do not store near heat source or expose to high temperatures. Store away from incompatible materials (see section 10). Keep only in original | |

SECTION 8 Exposure controls/personal protection

| 8.1. Control parameters | |
|---|----------|
| 1,1,1,3,3-Pentafluoropropane (460-73-1) | |
| USA - AIHA - Occupational Exposure Limits | |
| WEEL TWA | 300 ppm |
| 1,1,1,2-Tetrafluoroethane (811-97-2) | |
| USA - AIHA - Occupational Exposure Limits | |
| WEEL TWA | 1000 ppm |

containers.

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| 8.2. Appropriate engineering controls | |
|--|---|
| Appropriate engineering controls | : Ensure good ventilation of the work station. Oxygen detectors should be used when asphyxiating gases may be released. |
| Environmental exposure controls | : Avoid release to the environment. |
| 8.3. Individual protection measures, such as personal protective equipment | |

Hand protection:

Wear suitable gloves. Neoprene. nitrile rubber gloves. butyl rubber gloves.

Eye protection:

Safety glasses or goggles are recommended when using product. Contact lenses should not be worn under such conditions. Avoid contact with eyes.

Skin and body protection:

Wear suitable protective clothing. Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Self contained breathing apparatus (SCBA) or positive pressure airline with mask are to be used in oxygen-deficient atmospheres. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment. Avoid inhalation of vapors and spray/mist.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

| Physical state | : Liquid |
|---|--------------------------------------|
| Appearance | : Aerosol. Liquefied compressed gas. |
| Color | : Colorless liquid |
| Odor | : Slightly Ethereal, Sweet |
| Odor threshold | : No data available |
| рН | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : 7 °C (44.6 °F) |
| Flash point | : None |
| Relative evaporation rate (butyl acetate=1) | : >1 |
| Flammability (solid, gas) | : Not flammable. |
| Vapor pressure | : (@72 °F): 10.8 psig |
| Relative vapor density at 20°C / 68 °F | : No data available |
| Relative density | : 1.3 @ 20'C |
| Solubility | : No data available |
| Partition coefficient n-octanol/water | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : 4.7 mm²/s (Air=1 BP) |
| Explosion limits | : No data available |
| Particle characteristics | : No data available |
| 1,1,1,3,3-Pentafluoropropane | |
| Boiling point | 15 °C Atm. press.: 101,3 kPa |
| Vapor pressure | 145000 Pa Temp.: 25 °C |

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| 1,1,1,3,3-Pentafluoropropane | | |
|------------------------------|---|--|
| Particle characteristics | No data available | |
| | | |
| 1,1,1,2-Tetrafluoroethane | | |
| Boiling point | -26.2 °C | |
| Vapor pressure | 5.74 bar Temp.: 20 °C Remarks on result: 'other:' | |
| Particle characteristics | No data available | |

9.2. Data relevant with regard to physical hazard classes (supplemental)

Gas group

: Press. Gas (Liq.)

SECTION 10 Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions. Contains gas under pressure; may explode if heated.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Incompatible materials. Avoid sources of ignition such as sparks, hot spots, welding flames and lighted cigarettes which may yield toxic and/or corrosive decomposition products. Do not mix with oxygen or air above atmospheric pressure. Pressurized container may burst if heated.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids and alkalis, reactive metals e.g., powdered or freshly abraded aluminum (may cause strong exothermic reactions), sodium, potassium, calcium, magnesium, zinc, molten aluminum, barium, and lithium shavings.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Halogens and halogen acids; and possibly carbonyl halides.

| SECTION 11 Toxicological information | |
|---|--|
| 11.1. Information on toxicological effects | |
| Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) | : Not classified : Not classified : Not classified |
| 1,1,1,3,3-Pentafluoropropane (460-73-1) | |
| LC50 inhalation rat | > 116000 ppm Animal: rat, Guideline: other:, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EPA OTS 798.1150 (Acute inhalation toxicity), Remarks on results: other: |
| 1,1,1,2-Tetrafluoroethane (811-97-2) | |
| LC50 inhalation rat | 1500 g/m³ (Exposure time: 4 h Source: NLM_CIP) |
| Skin corrosion/irritation Serious eye damage/irritation | : Not classified : Not classified |

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| Respiratory or skin sensitization : | Not classified | | |
|---|--|--|--|
| Germ cell mutagenicity : | Not classified | | |
| Carcinogenicity : | Not classified | | |
| Reproductive toxicity : | Not classified | | |
| STOT-single exposure : | Not classified | | |
| STOT-repeated exposure : | Not classified | | |
| 1,1,1,2-Tetrafluoroethane (811-97-2) | | | |
| NOAEC (inhalation,rat,gas,90 days) | 50000 ppm Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) | | |
| Aspiration hazard : | Not classified | | |
| CoolJect Topical Anesthetic Canister | | | |
| Vaporizer | Aerosol | | |
| Viscosity, kinematic | 4.7 mm²/s Air=1 BP | | |
| 1,1,1,3,3-Pentafluoropropane (460-73-1) | | | |
| Viscosity, kinematic | No data available | | |
| 1,1,1,2-Tetrafluoroethane (811-97-2) | | | |
| Viscosity, kinematic | No data available | | |
| Symptoms/effects after inhalation : | May displace oxygen and cause rapid suffocation. May cause irritation to the respiratory tract. Symptoms of oxygen deficiency include respiratory difficulty, headache, dizziness, nausea, unconsciousness or death. Vapors are heavier than air and can cause suffocation by reducing oxygen available for breathing. When oxygen levels in air reduced to 12-14% by displacement, symptoms of asphyxiation, loss of coordination, increased pulse rate and deeper respiration will occur. At high levels, cardiac arrhythmia may occur. | | |
| Symptoms/effects after skin contact : | May cause frostbite on contact the liquefied gas. May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. | | |
| Symptoms/effects after eye contact : | May cause frostbite on contact the liquefied gas. May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. | | |
| Symptoms/effects after ingestion : | None under normal use. May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Discomfort due to volatility would be expected. | | |
| Other information : | Likely routes of exposure: ingestion, inhalation, skin and eye. | | |

| SECTION 12 Ecological information | | |
|--|---|--|
| 12.1. Ecotoxicity | | |
| Ecology - general Hazardous to the aquatic environment, short–term (acute) Hazardous to the aquatic environment, long–term (chronic) | May cause long-term adverse effects in the aquatic environment. Not classified Not classified | |
| 1,1,1,3,3-Pentafluoropropane (460-73-1) | | |
| LC50 - Fish [1] | > 81.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) | |
| EC50 - Crustacea [1] | > 97.9 mg/l Test organisms (species): Daphnia magna | |
| EC50 72h - Algae [1] | > 118 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) | |

NOEC (chronic)

≈ 29 mg/l Test organisms (species): Daphnia magna Duration: '14 d'

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| 1,1,1,2-Tetrafluoroethane (811-97-2) | | |
|--------------------------------------|---|--|
| LC50 - Fish [1] | 450 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA) | |
| EC50 72h - Algae [1] | > 118 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) | |
| EC50 72h - Algae [2] | > 114 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) | |

12.2. Persistence and degradability

| CoolJect Topical Anesthetic Canister | | |
|--|--------------------|--|
| Persistence and degradability Not established. | | |
| 1,1,1,3,3-Pentafluoropropane (460-73-1) | | |
| Persistence and degradability | Rapidly degradable | |
| 1,1,1,2-Tetrafluoroethane (811-97-2) | | |
| Persistence and degradability Rapidly degradable | | |

12.3. Bioaccumulative potential

| CoolJect Topical Anesthetic Canister | | |
|---------------------------------------|--------------------------|--|
| Bioaccumulative potential | Not established. | |
| 1,1,1,2-Tetrafluoroethane (811-97-2) | | |
| Partition coefficient n-octanol/water | 1.06 (at 25 °C (at pH 6) | |

12.4. Mobility in soil

No additional information available

| 12.5. Other adverse effects | |
|---------------------------------------|---------------------------|
| Ozone Fluorinated greenhouse gases | : Not classified : No |
| Other information | : No other effects known. |

| SECTION 13 Disposal considerations | |
|--|---|
| Product/Packaging disposal recommendations | : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. The generation of waste should be avoided or minimized wherever possible. |
| Additional information | Container under pressure. Do not drill or burn even after use. Empty containers must not be punctured or incinerated because of the risk of an explosion. Gas is dissipated rapidly in a ventilated area. |

| SECTION 14 Transport information | |
|----------------------------------|----------|
| In accordance with DOT | |
| 14.1. UN number | |
| UN-No. (DOT) | : UN1950 |

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| 14.2 LIN Proper Shipping Name | |
|--|---|
| 14.2. ON Froper Shipping Name | |
| Proper Shipping Name (DOT) | : Aerosols (LIMITED QUANTITY) |
| 14.3. Transport hazard class(es) | |
| DOT Transport hazard class(es) (DOT) Hazard labels (DOT) | : LTD QTY : LTD QTY |
| 14.4. Packing group | |
| Packing group (DOT) | : Not applicable |
| 14.5. Environmental hazards | |
| Other information | : No supplementary information available. |
| 14.6. Transport in bulk | |
| Not applicable | |
| 14.7. Special precautions for user | |
| Special transport precautions | : Do not handle until all safety precautions have been read and understood. |

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. International regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

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Revision date Issue date Other information Prepared by

- : 6/16/2025
- : 8/24/2025 : 8/24/2021
- : None.
- : None.
- : Nexreg Compliance Inc. www.Nexreg.com



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| Indication of changes: | | | |
|------------------------|--------------|----------|---------|
| Section | Changed item | Comments | Version |
| SDS | SDS update | Modified | V2.0 |

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