

SAFETY DATA SHEET

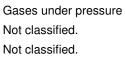
1. Identification

| Product number | 1000001323 |
|-----------------------------------|---|
| Product identifier | TERAND-24208 AIR DUSTER - NON-FLAMMABLE |
| Company information | CPC 1000 INTEGRAM DRIVE PACIFIC, MO 63069 United States |
| Company phone | General Assistance 800-327-1835 |
| Emergency telephone US | 1-866-836-8855 |
| Emergency telephone outside US | 1-952-852-4646 |
| Version # | 01 |
| Recommended use | CLEANER |
| Recommended restrictions | None known. |
| 0 Upperd(a) identification | |

2. Hazard(s) identification

| Physical hazards |
|----------------------|
| Health hazards |
| OSHA defined hazards |

Label elements



Compressed gas



| | \mathbf{v} |
|--|--|
| Signal word | Warning |
| Hazard statement | Contains gas under pressure; may explode if heated. |
| Precautionary statement | |
| Prevention | Observe good industrial hygiene practices. |
| Response | Wash hands after handling. |
| Storage | Protect from sunlight. Store in a well-ventilated place. |
| Disposal | Dispose of waste and residues in accordance with local authority requirements. |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | None. |

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|----------------------------|--------------------------|------------|----------|
| 1,1,1,2-tetrafluoroethane | | 811-97-2 | 90 - 100 |
| Other components below rep | portable levels | | 1 - 2.5 |

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

| Inhalation | Move to fresh air. Call a physician if symptoms develop or persist. |
|--------------|---|
| Skin contact | No adverse effects due to skin contact are expected. |
| Eye contact | No specific first aid measures noted. |
| Ingestion | Not likely, due to the form of the product. |

| Most important symptoms/effects, acute and delayed | Direct contact with eyes may cause temporary irritation. |
|--|---|
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. |
| General information | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |
| 5. Fire-fighting measures | |
| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). |
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| Specific methods | Cool containers exposed to flames with water until well after the fire is out. |
| General fire hazards | Contents under pressure. Pressurized container may explode when exposed to heat or flame. |

6. Accidental release measures

| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
|---|--|
| Methods and materials for containment and cleaning up | Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. For waste disposal, see section 13 of the SDS. |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |
| 7. Handling and storage | |
| Precautions for safe handling | Keep away from heat/sparks/open flames/hot surfaces No smoking. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground and bond containers when transferring material. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Purge air from system before introducing gas. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Do not re-use empty containers. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| Conditions for safe storage, including any incompatibilities | Level 1 Aerosol. Contents under pressure. Do not expose to heat or store at temperatures above 120°F/49°C as |
| | can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Stored containers should be periodically checked for general condition and leakage. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). |

8. Exposure controls/personal protection

Occupational exposure limits

US. Workplace Environmental Exposure Level (WEEL) Guides

| Components | Туре | Value |
|---|---|---|
| 1,1,1,2-tetrafluoroethane (CAS 811-97-2) | TWA | 4240 mg/m3 |
| | | 1000 ppm |
| Biological limit values | No biological exposure limits noted f | or the ingredient(s). |
| Appropriate engineering controls | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. | |
| Individual protection measures | s, such as personal protective equipr | nent |
| Eye/face protection | Wear safety glasses with side shield | s (or goggles). |
| Skin protection | | |
| Hand protection | Wear appropriate chemical resistant supplier. | gloves. Suitable gloves can be recommended by the glove |
| Other | Wear suitable protective clothing. | |
| Respiratory protection | If permissible levels are exceeded u air-supplied respirator. | se NIOSH mechanical filter / organic vapor cartridge or an |
| Thermal hazards | Wear appropriate thermal protective | clothing, when necessary. |
| General hygiene considerations | | bserve good personal hygiene measures, such as washing e eating, drinking, and/or smoking. Routinely wash work remove contaminants. |

9. Physical and chemical properties

| Appearance | | |
|--|------------------------------|--|
| Physical state | Gas. | |
| Form | Aerosol. Compressed gas. | |
| Color | Not available. | |
| Odor | Not available. | |
| Odor threshold | Not available. | |
| рН | Not available. | |
| Melting point/freezing point | Not available. | |
| Initial boiling point and boiling range | -15 °F (-26.11 °C) estimated | |
| Flash point | Not available. | |
| Evaporation rate | Not available. | |
| Flammability (solid, gas) | Not available. | |
| Upper/lower flammability or explosive limits | | |
| Flammability limit - lower (%) | Not available. | |
| Flammability limit - upper (%) | Not available. | |
| Explosive limit - lower (%) | Not available. | |
| Explosive limit - upper (%) | Not available. | |
| Vapor pressure | 75 - 85 psig @70F estimated | |
| Vapor density | Not available. | |
| Relative density | Not available. | |
| Solubility(ies) | | |
| Solubility (water) | Not available. | |
| Partition coefficient (n-octanol/water) | Not available. | |

| Auto-ignition temperature | Not available. |
|---------------------------|-----------------|
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Explosive properties | Not explosive. |
| Oxidizing properties | Not oxidizing. |
| Specific gravity | 0.008 estimated |
| | |

10. Stability and reactivity

| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
|---------------------------------------|---|
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Heat. Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

| The revice of the second | |
|---|--|
| Information on likely routes of ex | xposure |
| Inhalation | Prolonged inhalation may be harmful. |
| Skin contact | No adverse effects due to skin contact are expected. |
| Eye contact | Direct contact with eyes may cause temporary irritation. |
| Ingestion | Expected to be a low ingestion hazard. |
| Symptoms related to the physical, chemical and toxicological characteristics | Direct contact with eyes may cause temporary irritation. |
| Information on toxicological effe | ects |
| Acute toxicity | Not available. |
| Skin corrosion/irritation | Prolonged skin contact may cause temporary irritation. |
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. |
| Respiratory or skin sensitization | |
| Respiratory sensitization | Not a respiratory sensitizer. |
| Skin sensitization | This product is not expected to cause skin sensitization. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |
| IARC Monographs. Overall E | Evaluation of Carcinogenicity |
| Not listed. | |
| | d Substances (29 CFR 1910.1001-1050) |
| Not regulated. | gram (NTP) Report on Carcinogens |
| Not listed. | |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | Not likely, due to the form of the product. |
| Chronic effects | Prolonged inhalation may be harmful. |
| | |

12. Ecological information

| Ecotoxicity | | | mentally hazardous. However, this does not exclude the an have a harmful or damaging effect on the environment. | |
|--|---|--|--|--|
| Product | | Species | Test Results | |
| TERAND-24208 AIR DUSTE | R - NON-FL | AMMABLE | | |
| Aquatic | | | | |
| Crustacea | EC50 | Daphnia | 989.0522 mg/L, 48 Hours estimated | |
| Fish | LC50 | Fish | 454.386 mg/L, 96 Hours estimated | |
| * Estimates for product may | pe based on | additional component data no | ot shown. | |
| Persistence and degradability | No data is available on the degradability of this product. | | | |
| Bioaccumulative potential | | | | |
| Partition coefficient n-octa 1,1,1,2-tetrafluoroethane | nol / water (| log Kow) 1.274 | | |
| Mobility in soil | No data a | No data available. | | |
| Other adverse effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. | | | |
| 13. Disposal consideratio | ns | | | |
| Disposal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations. | | | |
| Local disposal regulations | Dispose i | Dispose in accordance with all applicable regulations. | | |
| Hazardous waste code | | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. | | |
| Waste from residues / unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). | | | |
| Contaminated packaging | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. | | | |

14. Transport information

| DOT | | | |
|-----------------------------|--|--|--|
| UN number | Not available. | | |
| UN proper shipping name | Consumer commodity | | |
| Transport hazard class(es) | | | |
| Class | ORM-D | | |
| Subsidiary risk | - | | |
| Packing group | Not applicable. | | |
| Special precautions for use | r Not available. | | |
| Packaging exceptions | 156, 306 | | |
| Packaging non bulk | None | | |
| Packaging bulk | None | | |
| Special Provisions: DOT-SP | 11644: In accordance with this special permit, the product container is marked with DOT-SP 11644 | | |

instead of 2Q. This packaging is approved for shipping as a Limited Quantity.

ΙΑΤΑ

| UN number | UN1950 |
|------------------------------|---|
| UN proper shipping name | Aerosols, non-flammable |
| Transport hazard class(es) | |
| Class | 2.2 |
| Subsidiary risk | - |
| Label(s) | 2.2 |
| Packing group | Not applicable. |
| Environmental hazards | No. |
| ERG Code | 2L |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

| Other information | |
|--|---|
| Passenger and cargo aircraft | Allowed with restrictions. |
| Cargo aircraft only | Allowed with restrictions. |
| Packaging Exceptions | LTD QTY |
| IMDG | |
| UN number | UN1950 |
| UN proper shipping name | AEROSOLS |
| Transport hazard class(es) | |
| Class | 2.2 |
| Subsidiary risk | - |
| Label(s) | 2.2 |
| Packing group | Not applicable. |
| Environmental hazards | |
| Marine pollutant | No. |
| EmS | Not available. |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Packaging Exceptions | LTD QTY |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable. |
| | |

IATA; IMDG



15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories

Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - Yes Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No chemical

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated. (SDWA)

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| Issue date | 10-04-2018 |
|----------------------|--|
| Version # | 01 |
| Disclaimer | The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. |
| Revision information | Product and Company Identification: Alternate Trade Names |