



Health	1
Fire	2
Physical	0
Pers. Protection	A

Material Safety Data Sheet

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CHEMTREC 24-HOUR EMERGENCY RESPONSE

TOLL-FREE NUMBER: (800) 424-9300

CHEMTREC should be contacted only in the event of chemical accidents involving, fire, spill, exposure, or other emergency situations involving the chemical product described herein.

Section 1: Chemical Product Identification

PRODUCT NAME: PURE CITRUS ORANGE AIR FRESHENER (SPRAY) **HMIS CODES**

Health: 1 Flammability: 2 Physical: 0

PRODUCT NUMBER: NA222-6

Section 2: Composition and Information on Hazardous Ingredients

HAZARDOUS INGREDIENTS:

<u>CAS NUMBER</u>	<u>CHEMICAL NAME</u>	<u>WEIGHT %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS</u>
8028-48-6	Sweet orange extractives	0 - 100	ND	ND	ND
94266-47-4	Citrus extractives	0 - 100	ND	ND	ND
68917-32-8	Grapefruit terpenes	0 - 100	ND	ND	ND
68608-38-8	Tangerine terpenes	0 - 100	ND	ND	ND

Section 3: Hazards Identification

SUMMARY OF ACUTE HAZARDS

<u>ROUTE OF EXPOSURE</u>	<u>SIGN AND SYMPTOM</u>	<u>PRIMARY ROUTE</u>
INHALATION:	MAY CAUSE LIGHT HEADACHES OR DIZZINESS	YES
EYE CONTACT:	MAY CAUSE IRRITATION	YES
SKIN CONTACT:	MAY CAUSE IRRITATION	YES
INGESTION:	MAY CAUSE STOMACH DISTRESS, NAUSEA, AND VOMITING	YES

SUMMARY OF CHRONIC HAZARDS:

Exposure to citrus terpenes can result in skin irritation and contact dermatitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing disorders of the skin, eyes, and respiratory tract may be exacerbated by exposure to citrus terpenes.

Section 4: First Aid Measures

- **INHALATION:** Move to fresh air or provide fresh air by ventilation. If symptoms persist, seek medical attention.
- **EYE:** Remove any contact lenses and flush with running water for 15 minutes. Obtain medical attention if irritation persists.
- **SKIN:** Flush with water. Wash with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing before reuse.
- **INGESTION:** Do not induce vomiting. Rinse mouth out. Obtain medical attention immediately. If unconscious, never give anything by mouth.

Section 5: Fire and Explosion Data

FLASH POINT °F: 110-120

FLAMMABILITY LIMITS: LEL: 0.7% UEL: 5-7%

AUTO-IGNITION TEMPERATURE (°F): 458

EXTINGUISHING MEDIUM: Water, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: None known

UNUSUAL FIRE AND EXPLOSION HAZARDS: Hazardous combustion products-may include and are not limited to oxides of carbon.

Section 6: Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT: ND

MATERIAL RELEASED OR SPILLS: Small spills may be absorbed with non-reactive absorbent material and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers, waterways, and soil.

Section 7: Handling and Storage

STORAGE: Keep out of reach of children. Store closed container upright away from incompatible materials and food. Do not store near heat, flame, sparks or other forms of ignition.

OTHER PRECAUTIONS: Do not re-use empty containers.

Section 8: Exposure Controls and Personal Protection

RESPIRATORY PROTECTION: None required in normal usage.

ENGINEERING CONTROLS: General ventilation normally adequate.

SPECIAL: NA

PROTECTIVE GLOVES: Not needed in normal usage.

EYE PROTECTION: Not required under normal conditions, but always advisable when using chemical products.

WORK/HYGENIC PRACTICES: Where use can result in skin contact, wash exposed area thoroughly before eating, drinking, smoking, or in food preparation. Launder contaminated clothing before re-use.

OTHER PERSONAL PROTECTION: As required by employer policies.

Section 9: Physical and Chemical Properties

APPEARANCE: Colorless to pale orange or yellow

PHYSICAL STATE: Liquid

VAPOR PRESSURE (mmHg): <2mmHg

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 0.835-0.845

PARTITION COEFFICIENT OF WATER/OIL DISTRIBUTION: ND

ODOR: Citrus

BOILING POINT (°F): 345-355

VAPOR DENSITY (AIR=1): ND

MELTING POINT (°F): -140

EVAPORATION RATE (BUTYL ACETATE =1): 0.2

pH: NA

Section 10: Stability and Reactivity

STABILITY: Stable.

CONDITIONS TO AVOID: Heat, ignition sources (spark, flame), incompatible materials

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of citrus terpenes, which can result from improper storage and handling, are known to cause skin sensitization.

INCOMPATIBILITY: Strong oxidizing agents and strong acids, including acidic clays, peroxides, halogens, and vinyl chloride

HAZARDOUS POLYMERIZATION: Will not occur.

Section 11: Toxicological Information

CARCINOGENICITY: ND
REPRODUCTIVE TOXICITY: ND
SKINTEX DATA: ND

NTP: No
TERATOGENICITY: ND

IARC MONOGRAPHS: No
MUTAGENICITY: ND

OSHA REGULATED: No

There is no LD₅₀ or LC₅₀ information available for humans. Citrus terpenes have been shown to have low oral toxicity (LD₅₀>5 g/kg) and low dermal toxicity (LD₅₀>5 g/kg) when tested on rabbits. Citrus terpenes also showed low toxicity by inhalation (RD₅₀>1 g/kg) when tested on mice.

Section 12: Ecological Information

WATER FOWL TOXICITY
BOD
AQUATIC TOXICITY

No data available for ingredients in this product.
No data available for ingredients in this product.
No data available for ingredients in this product.

Section 13: Disposal Considerations

DISPOSAL METHOD: Dispose of in accordance with all local, state, and Federal regulations.

CONTAINER DISPOSAL: Dispose of in accordance with all local, state, and Federal regulations. Oil-

soaked rags should be disposed of promptly and properly to avoid spontaneous combustion.

Section 14: Transport Information

DOT Proper shipping name: Consumer Commodity, ORM-D

OCEAN (IMDG): Aerosols, 2.2, UN1950, Ltd. Qty., EMS# 2-13, MFAG# 620

AIR (IATA): Aerosols, 2.2, UN1950, ERG# 126

WHMIS (CANADA): Class A

UN Number: 1950

NAFTA HS Code: 3301.12.0000 (Orange)

3301.13.0000 (Lemon)

3301.19.0000 (Blend)

Section 15: Regulatory Information

TSCA: All ingredients are listed on the TSCA inventory.

SARA 313: None listed.

CERCLA RQ: NA.

RCRA CODE: NA.

Section 16: Other Information

THIS DOCUMENT IS PREPARED PURSUANT TO THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910. 1200).

LEGEND: ND = Not determined.

NA = Not applicable.

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