

CHEM INTERNATIONAL**MATERIAL SAFETY DATA SHEET****EMERGENCY #: CANUTEC (613) 996-6666****PRODUCT IDENTIFICATION AND PREPARATION INFORMATION****PRODUCT NAME:** C.I. Orange Fresh (Space Deodorant)**EFFECTIVE DATE:** January 8, 2009**WHMIS CLASS:** A, B-5, D-2B**T.D.G. CLASSIFICATION:** Consumer Commodity, ORM-D**MATERIAL USE:** Air Freshener**HAZARDOUS INGREDIENTS**

HAZARDOUS INGREDIENTS	%	EXPOSURE LIMIT	C.A.S.#	LD/50, ROUTE, SPECIES	LC/50 ROUTE, SPECIES
ETHANOL	10-30	1000 ppm	64-17-5	7060 mg/kg ORAL - RAT	31,623 ppm(hr)INHAL-RAT
D-LIMONENE	30-60	N/AV	5989-27-5	4400 mg/kg ORAL - RAT	N/AV
PROPYLENE GLYCOL	1-5	N/AV	57-55-6	20,000 mg/kg ORAL - RAT	N/AV
ISOBUTANE	15-40	1000 ppm	75-28-5	NOT APPLICABLE	142,500ppm(4hr)INHAL-RAT
PROPANE	5-10	1000 ppm	74-98-6	NOT APPLICABLE	N/AV

PHYSICAL DATA**BOILING POINT(°C):** 78-175.5**VAPOUR PRESSURE (PSIG):** 20-35 @ 20°C**SPECIFIC GRAVITY (H₂O=1):** 0.82-0.86**SPECIFIC GRAVITY (AEROSOL):** 0.73-0.77**VAPOUR DENSITY (Air=1):** >1**pH:** Not Applicable**EVAPORATION RATE:** >1**PERCENT VOLATILE (BY WEIGHT):** 99**AEROSOL % VOC (w/w):** 97-98**SOLUBILITY IN WATER:** Easily soluble**PHYSICAL STATE:** Aerosol**APPEARANCE AND ODOUR:** Clear pale yellow, vanilla fragrant.**FIRE AND EXPLOSION DATA****AUTO IGNITION TEMPERATURE (°C):** N/AV**FLAMMABILITY:** Flammable.**UEL (%BY VOLUME):** 6.1**LEL(%BY VOLUME):** : 0.7**FLASH POINT (°C):** N/AV**AEROSOL FLAME PROJECTION:** >45cm BUT <100cm**SPECIAL PROCEDURES:** Water from fogging nozzles may be used to cool closed containers to prevent build-up if exposed to extreme temperatures. Full protective equipment including self contained breathing apparatus should be worn in a fire involving this material.**MEANS OF EXTINCTION:** Small fire: Use dry chemicals, CO₂, water spray or foam. Large fire: Use water spray, fog or foam. Do not use water jet.**REACTIVITY DATA****CHEMICAL STABILITY:** The product is stable under normal conditions.**REACTIVITY CONDITIONS:** Not applicable.**COMPATIBILITY WITH OTHER SUBSTANCES:** No. Which ones? Strong Oxidizing agents.**HAZARDOUS COMBUSTION PRODUCTS:** Hydrocarbon Fumes and smoke. Carbon Monoxide where combustion is incomplete.**HAZARDOUS POLYMERIZATION:** Will not occur**FIRST AID****EYE:** Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention**SKIN:** May cause frostbite. Gently and thoroughly wash the skin with running water and non-abrasive soap.**INHALATION:** Allow to rest in a well-ventilated area.**INGESTION:** If ingested, do not induce vomiting. Have conscious person drink several glasses of water or milk. Seek medical advice immediately and show the container or the label.

TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Eyes contact (X), Skin contact (), Skin absorption (), Inhalation (), Ingestion (X)

EFFECTS OF ACUTE EXPOSURE:

INGESTION: May cause headache, nausea, vomiting and weakness.

INHALATION: Inhalation of solvents may cause irritation. Propellant is a simple Asphyxiant.

EYE CONTACT: May cause irritation.

SKIN CONTACT: May cause irritation.

EFFECTS OF CHRONIC EXPOSURE:

SOLVENTS MAY CAUSE DEFATTING DERMATITIS.

CARCINOGENICITY: N/A

REPRODUCTIVE TOXIN: N/A

TERATOGENICITY: N/A

MUTAGENICITY: N/A

PREVENTATIVE MEASURES

HAND PROTECTION: Not normally required.

EYE PROTECTION: Safety goggles.

RESPIRATORY PROTECTION: Not Normally required.

BODY PROTECTION: Not normally required.

FOOT PROTECTION: Not Normally required.

ENGINEERING CONTROLS: Ventilation is normally required when handling or using this product.

LEAK AND SPILL PROCEDURE: Try to stop the gaseous lid by taping the container with an appropriate material (tape, stretched plastic)

WASTE DISPOSAL: Do not puncture or incinerate containers, even when empty. Review federal, provincial and local government requirements prior to disposal.

STORAGE REQUIREMENTS: Compressed gases should be stored in a separate safety storage cabinet or room. Store in a cool, well-ventilated area not to exceed 50°C

HANDLING PROCEDURES: Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe gas/fumes/vapour/spray. In case of insufficient ventilation. Wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Keep container tightly closed and in a well ventilated place.

N/AP= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · N/AV=NOT AVAILABLE
<=LESS THAN · >=MORE THAN

HMIS HAZARD RATING INFORMATION

FIRE	REACTIVITY	HEALTH	PERSONAL PROTECTION
3	0	2	K

0 – Minimal, 1- Slight, 2 – Moderate, 3 – Serious, 4 – Extreme.

DISCLAIMER: Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases, data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that the user of this material has been fully trained according to the mandatory requirements of WHIMIS. No warranty, expressed or implied is made, and supplier will not be liable for any losses, injuries, or consequential damage that may result from the use or reliance on any information contained in this form.

CHEM INTERNATIONAL

18043 – 107 Avenue
Edmonton, Alberta
T5S 1K3
(800) 665-7287