

SAFETY DATA SHEET

HMIS:

Health- 1 Flammability- 4 Reactivity- 0 Pers.  
Protection- B

NFPA:

Health- 1 Flammability- 4 Reactivity- 0 Special Hazard-  
N

WHMIS: B 5

Section 1: Product and Company Identification

Product: Odor Universe Spray, Multi Mint    Synonyms:

T-Ray Specialties Inc.

14480 Thousand Oaks Place  
Parkville, MO 64152

Non-Emergency:  
US 816-589-8729

24 hr Emergency Spill Information:

International

Section 2. Hazards Identification

EMERGENCY OVERVIEW

Appearance/Odor:    Colourless or pale yellow liquid in aerosol can



WARNING

Flammability :            R 12 Extremely flammable. Contains flammable liquids and pressurized gas.

Health Hazards Listed : May be mild irritant

Ecological Hazards Listed : None known

Potential Health Effects: See section 11 for more information.

Risk Phrases:            R5 - Heating may cause an explosion  
R10 - Flammable  
R44 - Risk of explosion if heated under confinement

Safety Phrases:        S2 - Keep out of the reach of children  
S16 - Keep away from sources of ignition - No smoking  
S33 - Take precautionary measures against static discharges

Hazard Phrases:        H222 - Extremely flammable aerosol  
H241 - Heating may cause a fire or explosion

Precautionary Phrases: P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P243 - Take precautionary measures against static discharge.

Likely Routes of Exposure: Skin, eyes

Eye: May irritate  
 Skin: Repeated exposure may dry  
 Ingestion: Unlikely due to form  
 Inhalation: May cause dizziness

Medical Conditions Aggravated By Exposure:

Allergies to fragrances

Target Organs: None known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Potential Environmental Effects: (See section 12 for more information.)

None known

Section 3. Composition/Information on Ingredients
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Component	CAS#	% by Weight	WHMIS Controlled	
Trade Secret Fragrance Mixture	None	1 - 5	N	
Propane	74-98-6	15-40	Y	Y
Butane	106-97-8	5-10	Y	
2-Propanone	67-64-1	15-40	Y	

Section 4. First Aid Measures
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Eye Contact: Flush eyes with copious amounts of clean water. Consult physician if irritation persists.  
 Skin Contact: Wash with soap and water.  
 Inhalation: Remove to fresh air. Apply artificial respiration if needed.  
 Ingestion: Not applicable due to form.

Note to Physicians:

Section 5. Fire Fighting Measures
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Suitable Extinguishing Media: Water, fog, dry chemical, carbon dioxide. HAZCHEM CODE 3 Y  
 Unsuitable Extinguishing Media: None known  
 Products of Combustion: Oxides of carbon and nitrogen  
 Protection of Firefighters:

Section 6. Accidental Release Measures
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Personal Precautions:  
 Environmental Precautions: No special measures  
 Methods for Containment: Individual containers are low volume. No special measures  
 Methods for Clean-Up: Gather up cans after any punctured cans have finished discharging. Absorb any discharged liquid with sand, clay or other suitable material  
 Other Information: HAZCHEM CODE 3 Y

Section 7. Handling and Storage
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**HANDLING**

Use as directed. Do not remove cap until ready to insert in dispenser.

**STORAGE**

Section 8. Exposure Controls/Personal Protection
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**EXPOSURE GUIDELINES**

COMPONENT:	TWA:	LD-50
Trade Secret Fragrance Mixture	None established	Not determined
Propane	1000 ppm	Simple asphyxiant
Butane	1000 ppm	Simple asphyxiant
2-Propanone	500 ppm	5800 mg/kg

Engineering Controls: Normal ventilation

Eye/Face Protection: Not needed when can is installed in dispenser

Skin Protection: Not needed when can is installed in dispenser

Respiratory Protection: Not normally needed

General Hygiene Considerations: No special precautions

#### Section 9. Physical and Chemical Properties

Color: Dispersed as fine colorless to pale yellow mist	Odor: Varies with specific product
Physical State: Liquid and compressed gas in aerosol can	Odor Treshhold:
pH: Not applicable - non-aqueous	Freezing Point: Not determined
Evaporation Rate: Not determined	Boiling Point: Not applicable
Flash Point: Not applicable	Flammability(solid,gas): Contents flammable. Product not a "Flammable Aerosol" as defined by IMO/ICAO
Upper Flammability Limit: Not determined	Lower Flammabilty Limit: Not determined
Vapor Pressure: Greater than 760 torr (> 100 kPa)	Specific Gravity: Not applicable
Vapor Density: Greater than air	Auto-ignition Temperature: Not determined
Volatile Organic Compound (VOC),%weight:	Solubility (water): Insoluble
<30% CARB VOC for aerosol	Percent Volatile: 95% including propellant ( without taking out exempt VOC propellants)

#### Section 10. Stability and Reactivity

Stability: Stable

Conditions to Avoid:

Incompartable Materials: Not applicable

Hazardous Decomposition Products: Not applicable

Possibility of Hazardous Reactions: Extremely improbable

#### Section 11. Toxicology Information

##### ACCUTE EFFECTS

Oral LD50: Not determined for mixture. Product is dispersed in small quantities of fine mist; Liquid portion weighted average more than 2500 mg/kg.

Dermal LD50: Not determined for mixture. Product is dispersed in small quantities of fine mist; Liquid portion weighted average more than 2500 mg/kg.

Inhalation: Not determined for mixture. Dispersed in intermittent small metered quantities. Weighted average more than 6 milligrams per Liter.

Eye Irritation: Can irritate eyes if sprayed directly into eyes.

Skin Irritation: Prolonged exposure to expelled liquid may result in irritation

Sensitization: None known

##### CHRONIC EFFECTS

Carcinogenicity: None  
Mutagenicity: None  
Reproductive Effects: None  
Developmental Effects: None

Section 12. Ecological Information

Ecotoxicity: None known  
Persistence/Degradability: Biodegradable  
Bioaccumulation/Accumulation: Not significant  
Mobility in Environment: Not applicable due to mode of use

Section 13. Disposal Considerations

Disposal: Do not puncture or incinerate. Follow local regulations

Section 14. Transportation Information

US DOT (ground)  
Proper Shipping Description: Consumer Commodity - ORM-D  
CANADA TDG (ground)  
Proper Shipping Description: Consumer Commodity - ORM-D  
ICAO (air)  
Proper Shipping Description: UN1950, Aerosols, Flammable, Class 2.1, Limited Quantity  
IMDG (water)  
Proper Shipping Description: UN 1950, Aerosols (Each not more than 1 L capacity) Class 2.1, Limited Quantity, EMS F-D, S-U

Section 15. Regulatory Information

Global Inventories

TSCA: United States	Included
DSL: Canada	Included
ECL: Korea	Not-Known
PICCS: Philippines	Not-Known
ENCS: Japan	Not-Known
AICS: Australia	Included
IECS: China	Not-Known
EINECS: European Union	Included

SARA 313 Information : No Sara 313 Listed substances present at reportable levels

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

No Proposition 65 Listed substances present

WHMIS: Canadian Workplace Hazardous Material Information System

B 5

Section 16. Other Information

Legends:

NFPA, HMIS:

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

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