

# MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION NUMBER: (423) 899-0467

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## I - Product Identification

### REFLECTA KOTE

PRODUCT CODE: 838901

CHEMICAL FORMULATION: Pressurized coating.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2

FLAMMABILITY: 3

REACTIVITY: 1

HAZARD RATING: 4 - Extreme;

3 - High;

2 - Moderate;

1 - Slight;

0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Toluene	10.0-30.0	300 ppm (C)	50 ppm	N	N	Y	108-88-3
Methyl acetate	10.0-30.0	200 ppm	200 ppm	N	N	N	79-20-9
Aluminum	1.0-5.0	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	N	N	Y	7429-90-5
n-Methyl-2-pyrrolidone	1.0-5.0	N/E	N/E	N	N	Y	872-50-4
Dimethyl Ether	10.0-30.0	N/E	1000 ppm	N	N	N	115-10-6
Isobutane	3.0-7.0	N/E	1000 ppm	N	N	N	75-28-5
Propane	5.0-10.0	1000 ppm	1000 ppm	N	N	N	74-98-6

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

BOILING POINT (°F): 136.0-232.0 (liquid)

SPECIFIC GRAVITY (WATER = 1): 1.37-1.41(liquid)

VAPOR PRESSURE (psig @ 20 °F): 60-70 (aerosol)

VOC CONTENT (% by weight): 60.0-64.0

VAPOR DENSITY (AIR = 1): > 1.0

EVAPORATION RATE (n-Butyl Acetate = 1): > 1.0

SOLUBILITY IN WATER: Negligible

pH: N/A

APPEARANCE AND ODOR: Light grey liquid aerosol; aromatic odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 8.6 (For methyl acetate) TEST METHOD: Tag Closed cup FLAME EXTENSION: >45cm but <100 cm

FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: 18

LOWER: 3.0

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

NFPA 30B Rating: 2

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Contents under pressure. Exposure to temperatures above 120° F may cause bursting.

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**V - Reactivity Data**

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**STABILITY:** Stable

**INCOMPATIBILITY:** Strong oxidizers.

**CONDITIONS TO AVOID:** Extreme temperatures.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**VI - Health Hazard Data**

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**ROUTES OF ENTRY INHALATION:** X      **EYE CONTACT:** X      **SKIN CONTACT:** X      **INGESTION:**

**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None

**EFFECTS OF OVEREXPOSURE**

**IF IN EYES:** May cause irritation.

**IF ON SKIN:** May cause irritation. May cause defatting dermatitis.

**IF SWALLOWED:** May cause headache, nausea, vomiting and weakness.

**IF INHALED:** May cause irritation and dizziness. Propellant is a simple asphyxiant.

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

**IF ON SKIN:** Flush skin with water while removing clothing. Launder clothing separately before re-use. Wash skin with soap and water. If irritation persists, obtain medical attention.

**IF SWALLOWED:** Call a physician or poison control center immediately. Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Never give anything by mouth to an unconscious person.

**IF INHALED:** Remove person to fresh air. If irritation persists, obtain medical attention.

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**VII - Spill or Leak Protection**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove all sources of ignition. Contain spill and soak up material with inert absorbent material and place in a labeled closed container for disposal.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

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**VIII - Special Protection Information**

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**RESPIRATORY PROTECTION:** Use with adequate ventilation. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following manufacturer's recommendations.

**VENTILATION**

**LOCAL:** Recommended

**MECHANICAL:** Not required

**PROTECTIVE GLOVES:** Chemical resistant.

**EYE PROTECTION:** Safety glasses or goggles.

**OTHER PROTECTIVE EQUIPMENT:** Protective clothing, eye wash station.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat, sparks or open flame. Do not store at temperatures above 120 F.

**OTHER PRECAUTIONS:** Keep out of reach of children. Do not puncture or incinerate container.

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**IX - Transportation Information (ground transportation only)**

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**DOT ID NUMBER:** None

**DOT PROPER SHIPPING NAME:** Consumer Commodity

**DOT CLASS:** ORM-D

**DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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