

MATERIAL SAFETY DATA SHEET

CASTALDO® Jewelry Mold Release  
Spray

0	FIRE HAZARD	HAZARD KEY 4-SEVERE
1	HEALTH HAZARD	3-SERIOUS
0	REACTIVITY	2-MODERATE 1-SLIGHT 0-MINIMAL

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Date Prepared

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Prepared By

Supplier Information:

Santa Fe Jewellery Supply

1513 Fifth Street Santa Fe, NM 87505

Chem-Tel: 1-800-255-3924 Or 617-969-5399  
Emergency Phone Number

SECTION 1 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components - Specific Chemical Identity & Common Names

	OSHA PEL	ACGIH TLV	&
Chlorodifluoromethane (HCFC-22 CAS# 75-45-6)	1000 p.p.m.	1000 p.p.m.	30-36%
1,1-Dichloro-1-Fluoroethane (HCFC-141B CAS# 1717-00-6)	500 p.p.m.	500 p.p.m.	64-58%

The hazardous components are not classified as carcinogenic by IARC, NIP or OSHA. Based on animal studies and human experience, these pose no hazard to man relative to systemic toxicity, carcinogenicity, mutagenicity or teratogenicity when occupational exposures are below recommended exposure limites.

ACTIVE INGREDIENTS ARE NOT HAZARDOUS

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Propellant -40°C (-41°F)  
Solvent 32°C (89.6°F)

Vapor Pressure (mm Hg and Temperature): 2872.3 @ 21°C  
70.7 psia @ 21°C

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Vapor Density (Air = 1): 4.55

Melting Point: N/A

Evaporation Rate (Butyl Acetate = 1): 6.0 (Rapid)

Solubility In Water: Nil to slight

Specific Gravity (H<sup>2</sup>O = 1): 1.258

Appearance and Odor: Clear, colorless liquid gas with faint ethereal odor.

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### SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used: None

Flammable Limits: Non-Flammable

LEL: 7.6 UEL: 7.7

Extinguisher Media: CO<sup>2</sup>; water fog. Liquid concentrate not expected to support combustion.

Unusual Fire and Explosion Hazards: Floors will be slippery where materials are released. Toxic vapors may be formed from combustion. Vapors will accumulate rapidly in poorly ventilated, confined or low-lying areas and displace air.

Special Fire Fighting Procedures: Self-contained breathing apparatus (SCBA) may be required if containers rupture and contents are released under fire conditions. Cool cans to prevent possible bursting.

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### SECTION 4 - REACTIVITY HAZARD DATA

Stability: Stable

Conditions To Avoid: N/A

Incompatibility (Materials to Avoid): Powdered aluminum, magnesium and zinc. Avoid chemically active metals such as sodium, potassium or calcium.

Hazardous Decomposition Products: Red hot surfaces and open flame cause HCFC 22 to possibly decompose into halogens, halogen acids and possible carbonyl halides such as phosgene.

HAZARDOUS POLYMERIZATION: Will not occur

Conditions To Avoid: N/A

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### SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Inhalation: Yes Skin: Remote Ingestion: Remote

