MATERIAL SAFETY DATA SHEET

CASTALDO[®]

Jewelry Mold Release Spray

Manufacturer: F. E. Knight Inc.

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Franklin, MA 02038

Telephone: 508-520-1666

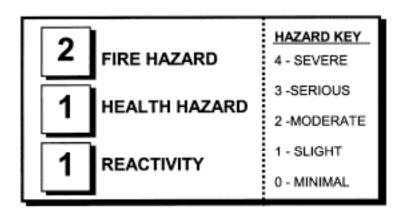
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Date Prepared: September 14, 2004

Prepared by: Michael Knight



SECTION I PRODUCT IDENTIFICATION

Product Name: Castaldo Jewelry Mold Release Spray

Revision Date: September 14, 2004 Form: September 14, 2004 Aerosol cans, 12 oz.

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

CHEMICAL NAME	% (Range)	OSHA PEL (8 hr TWA)
1,1,1,2-Tetrafluoroethane	40-60	1000 ppm
Dimethyl Ether	60-40	1000 ppm
Aliphatic Hydrocarbon	4 – 10	TWA: 400 ppm, STEL: 500 ppm

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point N/A

Vapor Pressure (mm Hg.) 69 psig @ 70°F

Vapor Density (AIR=1) 2.6 Specific Gravity (H₂0=1) 0.989

Solubility in Water @ 70° F Partially soluble

Appearance Clear, colorless liquid – under pressure in cans

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point (method): N/A – Flash point not determined for mixture. Product is non-flammable per ASTM

D3065-01.

Extinguishing media: Dry chemical extinguisher (B-C), Water

FIRE FIGHTING PROCEDURES:

Use dry chemical, foam, or CO2; water may be ineffective but should be used to keep exposed containers cool. Stop the release of materials if possible. Avoid accumulation of unburned materials. Remove personnel in general area.

SECTION IV FIRE AND EXPLOSION HAZARD DATA continued

UNUSAL FIRE AND EXPLOSION HAZARDS:

Container may rupture or explode under fire conditions. Hazardous decomposition products may be formed (see reactivity data section.) Under fire conditions, empty containers retain product residue and can be dangerous.

SECTION V HEALTH HAZARD DATA

Routes of Entry: Skin: Yes Inhalation: Yes Ingestion: Not likely

POTENTIAL ACCUTE EFFECTS OF OVEREXPOSURE:

INGESTION: Ingestion not a likely route of entry

INHALATION: Overexposure by inhalation of concentrated vapors may cause respiratory irritation, nausea,

headache and dizziness. Inhalation may produce anesthetic effects and feeling of euphoria. Prolonged overexposure can cause rapid breathing, headache, dizziness, narcosis, unconsciousness

and death from asphyxiation, depending on concentration and time of exposure.

SKIN CONTACT: Skin contact with the liquid may cause freezing of the skin (frostbite) or irritation.

EYE CONTACT: Eye contact with liquid or vapor may cause severe irritation, redness, tearing, blurred vision and

possible freeze burns.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

May increase susceptibility to toxicity of excessive exposures in persons with pre-existing diseases of the central nervous or cardiovascular systems.

EMERGENCY FIRST AIR PROCEDURES:

INGESTION: Ingestion is an unlikely route of exposure. Do not induce vomiting unless instructed to do so by

a physician. Seek immediate medical attention.

INHALATION: Remove to fresh air. If breathing has stopped, restore breathing at once.

Administer oxygen and get immediate medical help.

SKIN: Wash affected area with soap and water. Remove and launder contaminated clothing before reuse.

Treat as frostbite. If irritation develop or if there is evidence of tissue damage, get medical

attention.

EYE: Immediately rinse eyes with running water for 15 minutes. If irritation develops, get medical

attention. Consult physician immediately if frostbite occurs.

SECTION VI REACTIVITY DATA

Stable: Yes

Hazardous Polymerization: Will not occur.

Incompatibility (materials to avoid): Powdered or alkaline earth metals. Hazardous Combustion By-Products: Fluorine compounds and HF

Conditions to Avoid: Ignition sources such as open flames, sparks, static discharges or glowing metal surfaces.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKE IF MATERIAL IS RELEASED OR SPILLED:

Avoid breathing vapors. Evacuate area until vapor has dispersed. Remove all sources of ignition. Stop or reduce discharge if it can be done safely.

WASTE DISPOSAL:

Empty fully and relieve pressure. Empty containers can be recycled. Dispose according to Local, State and Federal regulations.

SECTIONS VIII PROTECTION INFORMATION

Handling: Minimize breathing of vapors and avoid prolonged or repeated contact with skin. Wear proper

protective equipment. If ventilation is not sufficient, wear proper respiratory equipment. Do not use near ignition sources. Contents are under pressure. Do not puncture, incinerate, expose to open flame or temperature above 120°F. Keep out of direct sunlight. For industrial use only.

Keep out of reach of children. Store in a well-ventilated place. Keep container tightly closed.

Read label precautions. Do not remove or deface label.

Storage: Store in a cool, dry, well ventilated area away from all sources of ignition. Do not store at

temperature above 120°F.

Eye Protection: Proper eye protection should be worn in any type of industrial operation, such as splash-proof

face-shield or goggles.

Skin Protection: The use of chemically resistant gloves is recommended if there is any possibility of prolonged or

repeated liquid contact with the skin.

Ventilation: Maintain adequate mechanical ventilation to keep employee exposure below manufacturer's

recommended limits.

SECTION X MISCELLANEOUS INFORMATION

NPCA - HMIS RATINGS:

Health 1 Flammability 2 Reactivity 1

<u>Manufacturer's Statement:</u> This information contained herein is believed to be correct as of issue date. Manufacturer shall not be liable for damages arising out of or in connection with the information obtained herein. It is intended to assist in the normal, safe usage of product. No warranty of any kind is expressed or implied as to the accuracy, completeness or adequacy of the information obtained herein.