

Safety Data Sheet
Castaldo® Resin Release Spray

SDS Revision Date: 15/01/2020



Product Identifier

Product Name: Castaldo® Resin Release

1. Identification

Other means of identification

UN/ID UN1950

Recommended use of the chemical and restrictions on use

Recommended use Mold release

Name, Address, and Telephone of the Responsible Party

Company Name:
F. E. Knight Inc.
120 Constitution Blvd.,
Franklin, MA 02038, USA

Emergency Telephone Number

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

Company Telephone Number: (508) 520-1666

2: Hazards identification of the product

Appearance: Clear, colorless aerosol

Physical State: Aerosol

Classification

Flammable Aerosols: Category 2

Gases Under Pressure: liquefied gas
Simple asphyxiants: Simple asphyxiants

Signal Word: **Warning**

Hazard Statements: Flammable Aerosol
Contains gas under pressure; may explode if heated
May displace oxygen and cause rapid suffocation

Label Elements
GHS-US Labeling :
Hazard Pictograms (GHS-US):



Precautionary Statements - Prevention: Keep away from heat/sparks/open flames/hot surfaces.
— No smoking — Do not spray on an open flame or other ignition source

Pressurized container: Do not pierce or burn, even after use

Precautionary Statements - Storage: Protect from sunlight. Store in a well-ventilated place
Do not expose to temperatures exceeding 122°F (50°C)

3: Composition / information on ingredients

Chemical Name	CAS No	Weight-%
Dimethyl ether	115-10-6	50-70
1,1,1,2-Tetrafluoroethane	811-97-2	30-40
Lecithins, acetylated	91053-50-8	1-5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4: First aid measures

Description of First Aid Measures

Eye Contact :	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact:	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation occurs: Get medical advice/attention.
Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if you feel unwell.
Ingestion:	Call a poison center or doctor/physician if you feel unwell. Rinse mouth.

Most Important Symptoms and Effects Both Acute and Delayed

Symptoms:	Irritation by inhalation. Irritation to skin and eyes. Overexposure by inhalation may cause CNS depression-drowsiness, dizziness, confusion or loss of coordination. "Frostbite-like" effects may occur if the liquid or escaping vapors contact the eyes or skin.
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Indication of any immediate medical attention and special treatment needed.

Notes to physician:	Treat symptomatically.
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5: Fire-fighting measures

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: Not determined.

Special Hazards Arising from substance or media

Fire Hazard: Flammable aerosol. Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.

Explosion Hazard: May form flammable/explosive vapor-air mixture. Heating may cause an explosion. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters
Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions
Leaking gas Fire: Do not extinguish, unless leak can

Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. If container is not properly cooled, it can rupture in the heat of a fire.

6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions : Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to safe areas. In case of spill, evacuate the area and remove all ignition sources.

For Emergency Responders: Follow applicable OSHA regulations (29 CFR 1910.120).

Environmental Precautions: See Section 12 for additional Ecological Information.

Methods for Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so. Soak up condensate with inert absorbent material and collect in ventilated waste container for disposal.

Methods for Clean-Up: Use clean non-sparking tools to collect absorbed material. Sweep up absorbed material and shovel into suitable containers for disposal.

7: Handling and storage

Precautions for Safe Handling

Advice on Safe Handling : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing vapors, mist or gas. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

Conditions for safe storage, including any incompatibilities

Storage Conditions : Do not store at temperatures above 120°F. Keep away from incompatible materials, open flames, and high temperatures.

Incompatible Materials : Strong oxidizing agents.

8: Exposure controls / personal protection

Exposure Guidelines: No exposure limits noted for ingredient(s). The following information is given as general guidance

Appropriate engineering controls

Engineering Controls: Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection : Avoid contact with eyes. Wear approved safety goggles.

Skin and Body Protection: Use solvent impermeable gloves to avoid contact with product.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose

combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

General Hygiene Considerations: Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

9. Physical and chemical propertie

Information on Basic Physical and Chemical Properties

Physical State:	Aerosol
Appearance:	Clear Colorless Aerosol
Color:	Clear, colorless
Odor:	Not determined
Odor Threshold:	Not determined

Property	Values	Remark method
pH:	Not applicable	
Melting Point/Freezing Point :	Not applicable	
Boiling Point/Boiling Range:	Not determined	
Flash Point:	Not applicable	
Evaporation rate	Not determined	
Flammability (Solid, Gas):	Not determined	
Upper Flammability Limits:	Not applicable	
Lower Flammability Limits:	Not applicable	
Vapor Pressure:	69.0 pig	(@21°C (70°F))
Vapor density:	2.6	(Air=1)

Specific Gravity: 0.989 (1=Water)

Water Solubility: Insoluble

Solubility in other solvents: Not determined

Partition Coefficient: Not determined

Auto-ignition Temperature: Not determined

Decomposition Temperature: Not determined

Kinematic Viscosity : Not determined

Dynamic Viscosity: Not determined

Explosive Properties: Not determined

Oxidizing Properties: Not determined

10: Stability and reactivity

Reactivity: Not reactive under normal conditions.

Chemical Stability: Stable under recommended storage conditions.

Possibility of

Hazardous Reactions: None under normal processing.

Hazardous Polymerization : Hazardous polymerization does not occur.

Conditions to avoid: Keep away from heat, sparks and open flame. Contact with incompatible materials

Incompatible Materials Strong oxidizing agents

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethyl ether 115-10-6	-	-	= 308.5 mg/L (Rat) 4 h
1,1,1,2-Tetrafluoroethane 811-97-2	-	-	= 1500 g/m3 (Rat) 4 h
Lecithins, acetylated 91053-50-8	= >5001 mg/kg (Rat)	-	-

Hazardous Decomposition

Products: May emit toxic fumes under fire conditions.

11: Toxicological information

Information on likely routes of exposure

Product Information

Eye Contact: Irritating to eyes. Contact with rapidly expanding gas may cause burns or frostbite.

Skin Contact: Irritating to skin. Contact with the liquefied or pressurized gas may cause frostbite ("cold" burn).

Inhalation: May displace oxygen and cause rapid suffocation.

Ingestion: Ingestion may cause irritation to mucous membranes.

Component Information

Information on physical, chemical and toxicological effects

Symptoms: Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects of short and long-term exposure

Carcinogenicity : Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity: Not determined

12: Ecological information

Ecotoxicity: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and Degradability: Not determined.

Siloxanes and Silicones, di-Me (63148-62-9)

Bioaccumulation: Not determined.

Mobility

Chemical Name : Dimethyl ether 115-10-6

Partition Coefficient : -0.18
 Other Adverse Effects: Not determined

13: Disposal considerations

Waste Treatment Methods

Disposal of Wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.


Contaminated Packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.


14: Transport information


Note: Based on package size, product may be eligible for

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Dimethyl ether	Present	X		Present		Present	X	Present	X	X
1,1,1,2-Tetrafluoroethane	Present	X		Present		Present	X	Present	X	X
Lecithins, acetylated				Present			X			

limited quantity exception.

DOT Consumer Commodity, ORM-D
UN/ID No.: UN1950
Proper Shipping Name : Aerosols 
Hazard Class: 2.1

IATA
UN/ID No.: UN1950
Proper Shipping Name : Aerosols, flammable 
Hazard Class: 2.1

IMDG:
UN/ID No.: UN1950
Proper Shipping Name : Aerosols 
Hazard Class: 2.1

15: Regulatory information

International Inventories

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dimethyl ether 115-10-6	X	X	X

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372 **CWA (Clean Water Act)**: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65:

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

16. Other Information

NFPA

Health Hazards:	Not determined
Flammability:	Not determined
Instability:	Not determined
Special Hazards:	Not determined

HMIS

Health Hazards:	Not determined
Flammability:	Not determined
Physical Hazards:	Not determined
Personal Protection:	Not determined

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Revision Note:	New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.