

# Designer Molecules, Inc.

## Safety Data Sheet

Product: DMI-7005  
MSDS ID: R1373

Revised Date: 09/01/22  
Replaces Date: 01/01/19

### 1. Product and Company Identification

Product Code: R1373  
Trade Name(s): DMI-7005  
Product Type: FCCL Resin in Anisole  
Recommended Use: Film forming  
Restrictions: None identified

Company: Designer Molecules, Inc.  
10080 Willow Creek Rd.  
San Diego, CA 92131  
Telephone: 858-348-1122

Emergency phone number (spill, leak, fire, exposure or accident):  
US Domestic (800) 535-5053 (INFOTRAC) Includes Canada and Mexico  
International +1 (352) 323-3500  
China Specific (86) 400-120-0761  
Germany Specific (49) 0800-181-2924  
Australia Specific (61) 1-300-366-961

### 2. Hazards Identification

#### EMERGENCY OVERVIEW:

#### GHS Classification:

|                                    |             |
|------------------------------------|-------------|
| Flammable liquid                   | Category 3  |
| Acute aquatic toxicity             | Category 2  |
| Skin Corrosion /Irritation         | Category 2  |
| Serious Eye Damage /Eye Irritation | Category 2B |
| Respiratory or Skin Sensitization  | Category 1  |

#### PICTOGRAM



#### SIGNAL WORD

Danger

#### HAZARD STATEMENT(S)

|      |                                     |
|------|-------------------------------------|
| H226 | Flammable liquid and vapor.         |
| H317 | May cause an allergic skin reaction |
| H315 | Causes skin irritation.             |
| H319 | Causes serious eye irritation.      |
| H401 | Toxic to aquatic life.              |

#### PRECAUTIONARY STATEMENT(S)

|      |  |
|------|--|
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| P233 | Keep container tightly closed.                                   |
| P240 | Ground/bond container and receiving equipment.                   |

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- P241 Use explosion-proof electrical/ventilating/ lighting/ equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge  
P280 Wear protective gloves/ eye protection/ face protection.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P403 + P235 Store in well ventilated place. Keep cool.  
P501 Dispose of content/ containers to an approved waste disposal plant.

### 3. Composition Information

**SUBSTANCE / MIXTURE** MIXTURE  
**GENERIC NAME** FCCL resin solution

| INGREDIENT       | 1,3-Isobenzofurandione, 5,5'-[(1-methylethylidene)bis(4,1-phenyleneoxy)]bis-, polymer with 4,4'-methylenebis[2,6-diethylbenzenamine], reaction products with 4,4'-[(1-methylethylidene)bis(4,1-phenyleneoxy)]bis[benzenamine] | Anisole     | Additives/Coupling Agents |
|------------------|---|-------------|---------------------------|
| RATIO            | 20 - 30 wt%   | 60 - 70 wt% | 0 - 1 wt%                 |
| CAS REGISTRY No. | 2127392-52-1  | 100-66-3    | Proprietary               |

### 4. First Aid Measures

#### GENERAL ADVICE:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### INHALATION

Remove the victim to fresh air. If not breathing, give artificial respiration. Consult a physician.

#### SKIN CONTACT

Remove all contaminated clothing, shoes and socks from the affected areas as quickly as possible. Wash the affected area under tepid running water using a mild soap.

#### EYE CONTACT

Gently rinse the affected eyes with clean water for at least 15 minutes. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

#### INGESTION

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 5. Fire and Explosion Hazard Data

#### SPECIFIC HAZARDS WITH REGARD TO FIRE-EXTINGUISHING MEASURES

Shut off the supply. Use extinguishing equipment from the up-wind side. If necessary wear protective clothing including a breathing apparatus.

If the fire extends to the surrounding, cool the facilities by splaying with water. Immediately move containers to safe place if possible.

#### EXTINGUISHING MEDIA

In case of fire use dry sand, alcohol-resistant foam, dry chemical powder, carbon dioxide, foam

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### 6. Accidental Release Measures

#### CAUTIONS FOR PERSONNEL

Wear proper equipment and avoid contact with skin and inhalation of vapor. Keep personnel away from downwind of any fire. Shut off all sources of ignition.

#### CAUTIONS FOR ENVIRONMENT

Prevent spills from entering waterways.

#### REMOVAL MEASURE

Shut off the leakage source to stop the leakage. For small spill, absorb spill with absorbent and collect in chemical waste container. For large spill, prevent contamination of surrounding area and move material to a safe place for collection.

#### PREVENTION OF SECOND ACCIDENT

Remove nearby sources of ignition and prepare extinguishing media.

### 7. Handling and Storage

#### HANDLING

##### Engineering measures

Wear proper protective equipment to prevent contact with skin or inhalation of the vapor. Pay attention to fire

##### Cautions for safety handling

Use with an enclosed system or a local exhaust ventilation.

#### STORAGE

##### Adequate storage condition

Store at room temperature, keep package tightly closed. Avoid direct rays from the sun. No fire.

##### Safety adequate container materials

Glass, plastic

### 8. Exposure Controls and Personal Protection Measures

#### CONTROL PARAMETERS

##### COMPONENTS WITH WORKPLACE CONTROL LIMITS

Contains no substances with occupational exposure limit values.

##### ENGINEERING MEASURES

Use only with adequate ventilation and in closed systems.

##### PERSONAL PROTECTIVE EQUIPMENT

##### RESPIRATORY PROTECTION

If necessary, wear chemical cartridge respirator with an organic vapor cartage.

##### EYE PROTECTION

Safety goggles

##### HAND PROTECTION

Organic solvents resistant gloves

##### SKIN AND BODY PROTECTION

Protective clothing, protective boots

### 9. Physical / Chemical Characteristics

#### APPEARLANCE, PHYSICAL STATE, COLOR, ODOR

Liquid, clear, dark amber/brown, sweet odor

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### SPECIFIC TEMPERATURE or TEMPERATURE OF PHYSICAL CONDITIONS CHANGE

|                  |                             |
|------------------|-----------------------------|
| Boiling point    | 154°C <Anisole>             |
| Melting point    | -37°C <Anisole>             |
| FLASH POINT      | 51.7°C <Anisole>            |
| EXPLSION LIMIT   | No data available           |
| VAPOR PRESSURE   | 4.679 hPa (20°C) <Anisole>  |
| VAPOR DENSITY    | 3.73 <Anisole>              |
| SPECIFIC GRAVITY | 0.995 g/ml (20°C) <Anisole> |
| SOLUBILITY       | Water ; 1.71 g/l <Anisole>  |

## 10. Reactivity Hazard Data

|                                  |   |
|----------------------------------|---|
| STABILITY                        | May polymerize on high temperature exposure   |
| REACTIVITY                       | Strong bases, strong acids, strong oxidizers, |
| INCOMPATIBILITY                  | Strong bases, strong acids, strong oxidizers, |
| HAZARDOUS DECOMPOSITION PRODUCTS | Carbon monoxide                               |

## 11. Toxicological Information

|  |  |
|--|--|
| Acute Toxicity (Oral)                              | LD50 Oral – Rat – 3,700 mg/kg <Anisole>  |
| Acute Toxicity (Dermal)                            | Not Classified   |
| Acute Toxicity (Gases)                             | Not Applicable   |
| Acute Toxicity (Vapors)                            | Not Classified   |
| Acute Toxicity (Dusts and Mists)                   | Not Classified   |
| Skin Corrosion /Irritation                         | (Category 2) Causes skin irritation. The mixture contains $\geq 3\%$ of an ingredient which is irritant (category 2) and for which additivity may not apply. |
| Serious Eye Damage /Eye Irritation                 | Not Classified   |
| Respiratory or Skin Sensitization                  | (Category 1) May Cause an allergic skin reaction. The mixture contains one or more ingredients classified as a skin sensitizer at $\geq 1\%$ .               |
| Germ Cell Mutagenicity                             | Not Classified   |
| Carcinogenicity                                    | Not Classified   |
| Reproductive Toxicity                              | Not Classified   |
| Specific Target Organ Toxicity (Single Exposure)   | Not Classified   |
| Specific Target Organ Toxicity (Repeated Exposure) | Not Classified   |
| Aspiration Hazard                                  | Not Classified   |

## 12. Ecological Information

|  |                |
|--|----------------|
| Hazardous to the Aquatic Environment (Acute)   | Category 2.    |
| Hazardous to the Aquatic Environment (Chronic) | Not Classified |

## 13. Disposal Considerations

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Follow all regulations in your country.

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### 14. Transport Information

**DOT (US):**

UN-Number: 1993 Class:3      Packing group: III  
Proper shipping name: Flammable liquid, n.o.s. (Anisole)  
Reportable Quantity (RQ):  
Marine pollutant: No  
Poison Inhalation Hazard: No

**IATA:**

UN number: 1993 Class: 3      Packing group: III  
Proper shipping name: Flammable liquid, n.o.s. (Anisole)

### 15. Regulatory Information

**TSCA Status:**

One component of the mixture is not listed on the TSCA inventory. For use by trained professionals for R&D only.

**SARA 302 Components:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:**

Acute health hazard

**CALIFORNIA PROPOSITION 65:**

This product does not contain any chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm.

### 16. Other Information

The opinions expressed herein are those of qualified experts within Designer Molecules Inc. We believe that the information contained herein is current, as of the date of this MSDS. Because the use of this information and of these opinions, and the conditions of use of this product, are not within the control of Designer Molecules Inc., it is the user's legal obligation to determine the conditions of safe use of this product.