

# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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## Die Master (All Colors)

Revision 0  
Revision date 2026-08-04

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

|              |                         |
|--------------|-------------------------|
| Product name | Die Master (All Colors) |
|--------------|-------------------------|

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

|             |                   |
|-------------|-------------------|
| Description | Foundry material. |
|-------------|-------------------|

#### 1.3. Details of the supplier of the safety data sheet

|                                       |                                                     |
|---------------------------------------|-----------------------------------------------------|
| Company                               | Ransom & Randolph                                   |
| Address                               | 3535 Briarfield Boulevard<br>Maumee, Ohio 43537 USA |
| Web                                   | www.ransom-randolph.com                             |
| Telephone                             | +1 (419) 865-9497                                   |
| Fax                                   | +1 (419) 865-9997                                   |
| Email                                 | SDS@ransom-randolph.com                             |
| Email address of the competent person | rcarter@ransom-randolph.com                         |

### SECTION 2: Hazards identification

#### 2.2. Label elements

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| Precautionary Statement: | P262 - Do not get in eyes, on skin, or on clothing. |
| Prevention               | Wear suitable gloves and eye/face protection.       |
| Hazard Statements        | No Significant Hazard                               |

#### Further information

|  |                                          |
|--|------------------------------------------|
|  | Not applicable. PBT and vPvB assessment. |
|--|------------------------------------------|

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

EC 1272/2008

| Chemical Name   | Index No. | CAS No.    | EC No. | REACH Registration Number | Conc. (%w/w) | Classification |
|-----------------|-----------|------------|--------|---------------------------|--------------|----------------|
| Calcium sulfate |           | 26499-65-0 |        |                           | 90 - 100%    |                |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|              |                                                                                 |
|--------------|---------------------------------------------------------------------------------|
| Inhalation   | Move the exposed person to fresh air.                                           |
| Eye contact  | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. |
| Skin contact | Wash with soap and water.                                                       |
| Ingestion    | Drink 1 to 2 glasses of water. DO NOT INDUCE VOMITING.                          |

#### 4.2. Most important symptoms and effects, both acute and delayed

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## 4.2. Most important symptoms and effects, both acute and delayed

|              |                                             |
|--------------|---------------------------------------------|
| Inhalation   | May cause irritation to respiratory system. |
| Eye contact  | May cause irritation to eyes.               |
| Skin contact | May cause irritation to skin.               |
| Ingestion    | May cause irritation to mucous membranes.   |

## 4.3. Indication of any immediate medical attention and special treatment needed

|              |                                                           |
|--------------|-----------------------------------------------------------|
| Inhalation   | Seek medical attention if irritation or symptoms persist. |
| Eye contact  | Seek medical attention if irritation or symptoms persist. |
| Skin contact | Seek medical attention if irritation or symptoms persist. |
| Ingestion    | Seek medical attention if irritation or symptoms persist. |

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|  |                                                                         |
|--|-------------------------------------------------------------------------|
|  | Use extinguishing media appropriate to the surrounding fire conditions. |
|--|-------------------------------------------------------------------------|

### 5.2. Special hazards arising from the substance or mixture

|  |                                                       |
|--|-------------------------------------------------------|
|  | Burning produces irritating, toxic and noxious fumes. |
|--|-------------------------------------------------------|

### 5.3. Advice for firefighters

|  |                                                                        |
|--|------------------------------------------------------------------------|
|  | Self-contained breathing apparatus. Wear suitable protective clothing. |
|--|------------------------------------------------------------------------|

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|  |                                     |
|--|-------------------------------------|
|  | Wear suitable protective equipment. |
|--|-------------------------------------|

### 6.2. Environmental precautions

|  |                                       |
|--|---------------------------------------|
|  | Do not allow product to enter drains. |
|--|---------------------------------------|

### 6.3. Methods and material for containment and cleaning up

|  |                                                                                  |
|--|----------------------------------------------------------------------------------|
|  | Absorb with inert, absorbent material. Transfer to suitable, labelled container. |
|--|----------------------------------------------------------------------------------|

### 6.4. Reference to other sections

|  |                                      |
|--|--------------------------------------|
|  | See section for further information. |
|--|--------------------------------------|

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|  |                                                                                                                           |
|--|---------------------------------------------------------------------------------------------------------------------------|
|  | Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Wash hands after handling the product. |
|--|---------------------------------------------------------------------------------------------------------------------------|

### 7.2. Conditions for safe storage, including any incompatibilities

|  |                                                                                                    |
|--|----------------------------------------------------------------------------------------------------|
|  | Do NOT allow to freeze. Keep in a cool, dry, well ventilated area. Keep containers tightly closed. |
|--|----------------------------------------------------------------------------------------------------|

### 7.3. Specific end use(s)

|  |                   |
|--|-------------------|
|  | Foundry material. |
|--|-------------------|

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

|  |                                                  |
|--|--------------------------------------------------|
|  | Ensure adequate ventilation of the working area. |
|--|--------------------------------------------------|

### 8.2. Exposure controls

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| Appropriate engineering controls | Ensure adequate ventilation of the working area.     |
| Individual protection measures   | Apron (Plastic or rubber).                           |
| Eye / face protection            | In case of splashing, wear: Approved safety goggles. |

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## 8.2. Exposure controls

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Skin protection - Hand protection | Wear suitable gloves.           |
| Respiratory protection            | Suitable respiratory equipment. |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                            |                           |
|----------------------------|---------------------------|
| State                      | Powder                    |
| Color                      | Various                   |
| Odor                       | Odorless                  |
| Odor threshold             | No data available         |
| Melting point              | = 1300 - 1432 °C          |
| Freezing Point             | Not applicable.           |
| Initial boiling point      | Not applicable.           |
| Flash point                | Not applicable.           |
| Evaporation rate           | No data available         |
| Flammability limits        | Not applicable.           |
| Vapor pressure             | Not applicable.           |
| Relative Vapour Density    | Not applicable.           |
| Density / Relative Density | 2.2 - 2.845               |
| Fat Solubility             | Not applicable.           |
| Partition coefficient      | Not applicable.           |
| Autoignition temperature   | Not applicable.           |
| Viscosity                  | No data available         |
| Explosive properties       | Not applicable.           |
| Oxidizing properties       | Not applicable.           |
| Solubility                 | Slightly soluble in water |

### 9.2. Other information

|                                  |                   |
|----------------------------------|-------------------|
| Conductivity                     | No data available |
| Surface tension                  | Not applicable.   |
| Gas group                        | Not applicable.   |
| Benzene Content                  | Not applicable.   |
| Lead content                     | Not applicable.   |
| VOC (Volatile organic compounds) | Not applicable.   |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|  |                 |
|--|-----------------|
|  | Not applicable. |
|--|-----------------|

### 10.2. Chemical stability

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

### 10.3. Possibility of hazardous reactions

|  |                        |
|--|------------------------|
|  | No Significant Hazard. |
|--|------------------------|

### 10.4. Conditions to avoid

|  |           |
|--|-----------|
|  | Moisture. |
|--|-----------|

### 10.5. Incompatible materials

|  |                        |
|--|------------------------|
|  | No Significant Hazard. |
|--|------------------------|

### 10.6. Hazardous decomposition products

|  |  |
|--|--|
|  |  |
|--|--|

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## 10.6. Hazardous decomposition products

None.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| Acute toxicity                    | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation         | Based on available data, the classification criteria are not met. |
| Serious eye damage/irritation     | Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitization | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity            | Based on available data, the classification criteria are not met. |
| Carcinogenicity                   | Based on available data, the classification criteria are not met. |
| Reproductive toxicity             | Based on available data, the classification criteria are not met. |
| STOT-single exposure              | Based on available data, the classification criteria are not met. |
| STOT-repeated exposure            | Based on available data, the classification criteria are not met. |
| Aspiration hazard                 | Based on available data, the classification criteria are not met. |
| Repeated or prolonged exposure    | May cause irritation to skin.                                     |

## SECTION 12: Ecological information

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

Does not bioaccumulate.

### Partition coefficient

Die Master (All Colors) Not applicable.

### 12.4. Mobility in soil

No data is available on this product.

### 12.5. Results of PBT and vPvB assessment

Not applicable.

### 12.7 Other adverse effects

Not applicable.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in compliance with all. local and national regulations.

### Disposal methods

Contact a licensed waste disposal company.

### Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

## SECTION 14: Transport information

### Further information

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulations | <p>U.S. FEDERAL REGULATIONS: Master Model die stone..CERCLA 103 Reportable Quantity: is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.</p> <p>SARA TITLE III:<br/>Hazard Category For Section 311/312: none</p> <p>Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None</p> <p>Section 302 Extremely Hazardous Substances (TPQ): None</p> <p>EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.</p> <p>U.S. STATE REGULATIONS</p> <p>California Proposition 65: This product contains the following substances known to the State of California to cause cancer: none</p> <p>INTERNATIONAL REGULATIONS:</p> <p>Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL).</p> <p>Canadian WHMIS Classification: none.</p> |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 15.2. Chemical safety assessment

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## SECTION 16: Other information

### Further information

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.</p> |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|