# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS



## Instaflex™ Concentrate duplicating material

Revision 1

Revision date 2026-08-17

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

### 1.1. Product identifier

| | |
|---|---|
| Product name | Instaflex™ Concentrate duplicating material |

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

| | |
|---|---|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; |
| 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

| | |
|---|---|
| | While this material is not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handeling and proper use of the product. This SDS should be retained and made available for employess and other other users of this product. |
| Precautionary Statement: Prevention | Avoid contact with skin and eyes. |
| 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 |
|---|---|---|---|---|---|---|
| propylene glycol | | 57-55-6 | | | 40 - 50% | |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

| | |
|---|---|
| Inhalation | Move the exposed person to fresh air. |

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### 4.1. Description of first aid measures

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

| | |
|---|---|
| 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. Carbon oxides.

### 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

Avoid release to the environment. Refer to special instructions/Safety data sheets.

### 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. Restricted to professional users.

## SECTION 8: Exposure controls/personal protection

### 8.2. Exposure controls

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## 8.2. Exposure controls

| | |
|---|---|
| |  |
| Appropriate engineering controls | Ensure adequate ventilation of the working area. |
| Eye / face protection | In case of splashing, wear:. Approved safety goggles. |
| Skin protection - Hand protection | Wear suitable gloves. |
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment. |

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| State | Gel/Paste |
| Color | Light red/Pink |
| pH | No data available |
| Melting point | = 89 °C |
| Freezing Point | No data available |
| Initial boiling point | No data available |
| Flash point | Not applicable. |
| Evaporation rate | No data available |
| Flammability limits | Not applicable. |
| Vapor pressure | No data available |
| Relative Vapour Density | No data available |
| Density / Relative Density | 1.1 (H2O = 1 @ 20 °C) |
| Fat Solubility | Not applicable. |
| Partition coefficient | No data available |
| Autoignition temperature | = 370 °C |
| Viscosity | No data available |
| Explosive properties | Not applicable. |
| Oxidizing properties | Not applicable. |
| Solubility | Soluble in water |

### 9.2. Other information

| | |
|---|---|
| Conductivity | No data available |
| Surface tension | No data available |
| 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

Hazardous polymerization does not occure.

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### 10.4. Conditions to avoid

| | |
|---|---|
| | Direct sunlight. Do NOT allow to freeze. |

### 10.5. Incompatible materials

| | |
|---|---|
| | Oxidizer. agents. |

### 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 | May cause irritation to skin. |
| Serious eye damage/irritation | May cause irritation to eyes. |
| 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

| | |
|---|---|
| | Instaflex™ Concentrate duplicating material: No data available |

### 12.4. Mobility in soil

| | |
|---|---|
| | very high mobility in soils. |

### 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. |

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## SECTION 14: Transport information

14.1. UN number

| | |
|---|---|
| | The product is not classified as dangerous for carriage. |

14.2. UN proper shipping name

| | |
|---|---|
| | The product is not classified as dangerous for carriage. |

14.3. Transport hazard class(es)

| | |
|---|---|
| | The product is not classified as dangerous for carriage. |

14.4. Packing group

| | |
|---|---|
| | The product is not classified as dangerous for carriage. |

14.5. Environmental hazards

| | |
|---|---|
| | The product is not classified as dangerous for carriage. |

14.6. Special precautions for user

| | |
|---|---|
| | The product is not classified as dangerous for carriage. |

14.7 Maritime Transport in bulk according to IMO instruments

| | |
|---|---|
| | The product is not classified as dangerous for carriage. |

Further information

| | |
|---|---|
| | The product is not classified as dangerous for carriage. |

## SECTION 15: Regulatory information

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

| | |
|---|---|
| Regulations | U.S. FEDERAL REGULATIONS: Instaflex™ Concentrate duplicating material. CERCLA 103 Reportable Quantity: are not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.<br><br>SARA TITLE III:<br>Hazard Category For Section 311/312: None - see Section 2<br><br>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<br><br>Section 302 Extremely Hazardous Substances (TPQ): None. |

15.2. Chemical safety assessment

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

## SECTION 16: Other information

Other information

| | |
|---|---|
| Revision | This document differs from the previous version in the following areas:. . 9 - 9.1. Information on basic physical and chemical properties (Melting point). . |

Further information

| | |
|---|---|
| | 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. |

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