

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                                      |                                                                                           |                                                                                                            |
|--------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME:</b>                 | ROCKBLOCK™ 5                                                                              |                                                                                                            |
| <b>Product Use:</b>                  | Lost Circulation Material                                                                 |                                                                                                            |
| <b>Supplier</b>                      | Impact Fluid Solutions<br>2800 Post Oak Blvd<br>Suite 2000<br>Houston, Texas 77056<br>USA | Impact Fluid Solutions (UK)<br>Ella Court<br>Truro Business Park<br>Threemilestone<br>Cornwall, UK TR4 9NH |
| <b>Telephone:</b>                    | 713-964-7736                                                                              | 44 (0) 1872 261613                                                                                         |
| <b>TELEPHONE: EMERGENCY USE ONLY</b> | 1-800-535-5053                                                                            | 1-352-323-3500                                                                                             |
| <b>E-mail</b>                        | info@impact-fluids.com                                                                    |                                                                                                            |

### 2. HAZARDS IDENTIFICATION

|                                                   |                                                                                                                                                                                                                    |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Classification of the substance or mixture</b> | Combustible Dusts                                                                                                                                                                                                  |
| <b>Symbol</b>                                     | None                                                                                                                                                                                                               |
| <b>Signal word(s)</b>                             | Warning                                                                                                                                                                                                            |
| <b>Hazard statement(s)</b>                        | May form combustible dust clouds in air.                                                                                                                                                                           |
| <b>Precautionary statement(s)</b>                 | P261: Avoid breathing dust.<br>P281: Use personal protective equipment as required.<br>P308+P313: IF exposed or concerned: Get medical advice/attention.<br>P314: Get medical advice/attention if you feel unwell. |
| <b>Other hazards</b>                              | Not classified as PBT or vPvB.                                                                                                                                                                                     |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a proprietary blend.

| CHEMICALS     | CAS No. | %W/W |
|---------------|---------|------|
| Nuisance Dust | Mixture | 100  |

Additional information: Product is a mixture. Exact composition of ROCKBLOCK 5 is a trade secret.

Occupational exposure limits - See Section: 8

### 4. FIRST AID MEASURES

|                     |                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Get medical advice/attention if you feel unwell.                                          |
| <b>Skin Contact</b> | Wash skin with soap and water. If irritation develops and persists, get medical attention |

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### Eye Contact

Hold eye open and rinse slowly and gently with water for 15-20 minutes. If irritation develops and persists, get medical attention.

### Ingestion

Not anticipated route of exposure. Get immediate medical advice/attention.

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

Unlikely to be required but if necessary treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Flammable/Explosive Properties

May form explosible dust clouds in air.

### Extinguishing media

As appropriate for surrounding fire.

### Unsuitable Extinguishing Media

None known

### Fire Fighting Protective Equipment

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Ensure adequate ventilation. Wear suitable protective clothing. Do not breathe dust. See Section: 8

### Environmental precautions

None known

### Methods for cleaning up

Sweep up spilled substance but avoid breathing dust. Transfer to a container for disposal or recovery.

### Other

Disposal should be in accordance with local, state or national legislation.

## 7. HANDLING AND STORAGE

### Handling

Avoid dust generation. Avoid breathing dust. Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapor etc) below recommended exposure limits. An approved dust mask should be worn if dust is generated during handling.

### Storage

Avoid build up of dust. Keep containers in a clean, cool and dry area away from heat sources. Keep containers properly sealed when not in use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### OCCUPATIONAL EXPOSURE LIMITS

| INGREDIENT(S) | CAS No. | OSHA PEL             | ACGIH TLV            |
|---------------|---------|----------------------|----------------------|
| Nuisance Dust | Mixture | 15 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup> |

### Engineering Controls

Use only with sufficient ventilation.

### Eye Protection

Wear protective eyewear (goggles, face shield, or safety glasses).

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|                    |                                                                              |
|--------------------|------------------------------------------------------------------------------|
| <b>Gloves</b>      | Protective gloves.                                                           |
| <b>Respirators</b> | An approved dust mask should be worn if dust is generated during handling.   |
| <b>Other</b>       | Wear protective equipment to comply with good occupational hygiene practice. |

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                               |                          |
|-----------------------------------------------|--------------------------|
| <b>Appearance</b>                             | Powder                   |
| <b>Color</b>                                  | Pale brown               |
| <b>Odor</b>                                   | Slight                   |
| <b>Odor Threshold (ppm)</b>                   | No information available |
| <b>pH (Value)</b>                             | Not applicable           |
| <b>Melting point (°C)/Freezing point (°C)</b> | No information available |
| <b>Initial boiling point (°C)</b>             | Not applicable           |
| <b>Flash Point</b>                            | Not applicable           |
| <b>Evaporation rate</b>                       | Not applicable           |
| <b>Flammability (solid,gas)</b>               | Not determined           |
| <b>Vapor pressure (Pascal)</b>                | Not applicable           |
| <b>Vapor density</b>                          | Not applicable           |
| <b>Specific Gravity (relative density)</b>    | 1.7-1.8                  |
| <b>Solubility (Water)</b>                     | Insoluble                |
| <b>Partition Coefficient</b>                  | No information available |
| <b>Auto Ignition Point (°C)</b>               | No information available |
| <b>Decomposition Temperature (°C)</b>         | No information available |
| <b>Viscosity (mPa. s)</b>                     | No information available |

### 10. STABILITY AND REACTIVITY

|                                           |                                              |
|-------------------------------------------|----------------------------------------------|
| <b>Chemical Stability</b>                 | Stable under normal conditions.              |
| <b>Hazardous Reactions</b>                | None known                                   |
| <b>Conditions to Avoid</b>                | Avoid generation of dust.                    |
| <b>Incompatible materials:</b>            | Keep away from heat and sources of ignition. |
| <b>Hazardous decomposition product(s)</b> | None known                                   |

### 11. TOXICOLOGICAL INFORMATION

|                                                          |                                                                                                             |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Acute toxicity</b>                                    | Not classified                                                                                              |
| <b>Inhalation</b>                                        | Dust may cause irritation.                                                                                  |
| <b>Skin Contact</b>                                      | May cause irritation.                                                                                       |
| <b>Eye Contact</b>                                       | Dust may have irritant effect on eyes.                                                                      |
| <b>Ingestion</b>                                         | Unlikely route of exposure.                                                                                 |
| <b>Delayed and chronic effects -<br/>Carcinogenicity</b> | IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen. |

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### 12. ECOLOGICAL INFORMATION

|                             |                                                 |
|-----------------------------|-------------------------------------------------|
| Ecotoxicity                 | No ecotoxic effects are known for this product. |
| Persistence and Degradation | No information available.                       |
| Bioaccumulative potential   | No information available.                       |
| Mobility in soil            | No information available.                       |
| Other adverse effects       | No information available.                       |

### 13. DISPOSAL CONSIDERATION

|                        |                                                                             |
|------------------------|-----------------------------------------------------------------------------|
| Regulatory information | The waste is considered to be non hazardous.                                |
| Recommended:           | Disposal should be in accordance with local, state or national legislation. |

### 14. TRANSPORT INFORMATION

#### US FEDERAL TRANSPORT REGULATIONS

|                       |                                            |
|-----------------------|--------------------------------------------|
| D.O.T. Classification | Not classified as dangerous for transport. |
| Proper Shipping Name  | Not classified as dangerous for transport. |

#### TGD - CANADIAN TRANSPORT REGULATIONS

|                      |                                            |
|----------------------|--------------------------------------------|
| Proper Shipping Name | Not classified as dangerous for transport. |
|----------------------|--------------------------------------------|

#### INTERNATIONAL TRANSPORT REGULATIONS

|                      |                                            |
|----------------------|--------------------------------------------|
| Proper Shipping Name | Not classified as dangerous for transport. |
|----------------------|--------------------------------------------|

#### SEA

|            |                                            |
|------------|--------------------------------------------|
| IMDG Class | Not classified as dangerous for transport. |
|------------|--------------------------------------------|

#### AIR

Not classified as dangerous for transport.

### 15. REGULATORY INFORMATION

#### US Federal Regulations

SARA 302 - Extremely Hazardous Substances None

SARA 311/312 - Hazard Categories

SARA 313 - Toxic Chemicals None

TSCA (Toxic Substance Control Act) All components listed or polymer exempt.

Canada DSL/NDL All components listed or polymer exempt.

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### 16. OTHER INFORMATION

| NFPA        | NFPA Rating | HMIS (Hazardous Material Information System) |   |
|-------------|-------------|----------------------------------------------|---|
| Health      | 1           | Health                                       | 1 |
| Fire        | 1           | Flammability                                 | 1 |
| Instability | 0           | Reactivity                                   | 0 |
|             |             | Personal Protection                          | E |

The following sections contain revisions or new statements:

New February 7, 2017  
01 January 22, 2018

### GLOSSARY

|                |                                                                              |
|----------------|------------------------------------------------------------------------------|
| CERCLA         | CERCLA (Comprehensive Environmental Response Compensation and Liability Act) |
| COD            | Chemical Oxygen Demand (COD)                                                 |
| LC50           | Lethal Concentration                                                         |
| NFPA           | NFPA (National Fire Protection Association)                                  |
| NOS            | Not Otherwise Specified                                                      |
| OSHA           | Occupational Safety and Health Administration                                |
| PBT            | Persistent, Bioaccumulative and Toxic                                        |
| R              | Respirable Dust                                                              |
| SARA TITLE III | Superfund Amendments and Reauthorization Act                                 |
| TLV            | Threshold Limit Value (ACGIH)                                                |
| TWA            | Time Weighted Average                                                        |
| vPvB           | Very persistent and very bioaccumulative                                     |

### Disclaimers:

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