

## Safety Data Sheet ScaleBlok 10

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### SECTION 1: Identification

#### 1.1 Product identifier

Product name ScaleBlok 10  
Product number SB10

#### 1.3 Recommended use of the chemical and restrictions on use

Scale Inhibitor

#### 1.4 Supplier's details

Name Downhole Chemical Solutions  
Address 1 Cowboys Way #572  
Frisco, Texas 75034  
  
Telephone 469-466-1100

#### 1.5 Emergency phone number(s)

1-888-255-3924 US (ChemTel)  
1-813-248-0585 International (ChemTel)

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### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

**GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)**

- Eye damage/irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2
- Sensitization, skin, Cat. 1
- Specific target organ toxicity (repeated exposure), Cat. 2

#### 2.2 GHS label elements, including precautionary statements

##### Pictogram



##### Signal word

##### Warning

##### Hazard statement(s)

H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H373 May cause damage to organs through prolonged or repeated exposure

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### Precautionary statement(s)

|                |                                                                                                                                 |
|----------------|---------------------------------------------------------------------------------------------------------------------------------|
| P260           | Do not breathe dust/fume/gas/mist/vapors/spray.                                                                                 |
| P264           | Wash hands thoroughly after handling.                                                                                           |
| P272           | Contaminated work clothing must not be allowed out of the workplace.                                                            |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                                                      |
| P302+P352      | IF ON SKIN: Wash with plenty of water.                                                                                          |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P314           | Get medical advice/attention if you feel unwell.                                                                                |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.                                                                        |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.                                                                |
| P337+P313      | If eye irritation persists: Get medical advice/attention.                                                                       |
| P362+P364      | Take off contaminated clothing and wash it before reuse.                                                                        |
| P363           | Wash contaminated clothing before reuse.                                                                                        |
| P501           | Dispose of contents/container in accordance with national regulations.                                                          |

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

| Hazardous Components                     | Concentration        |
|------------------------------------------|----------------------|
| Phosphonic acid derivative               | 0.1 - 1.8 % (weight) |
| Potassium hydroxide (CAS no.: 1310-58-3) | 1 % (weight)         |

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice          | Consult a physician. Show this safety data sheet to the doctor in attendance.<br>Move out of dangerous area.                                                                                                                                                                                                                                                                                                            |
| If inhaled              | Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.<br><br>Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema.                                                                                         |
| In case of skin contact | Wash with plenty of water for at least 15 minutes. Call a poison center or doctor if skin irritation or rash develops or persists. Take off contaminated clothing and wash it before reuse.<br><br>Acute and delayed symptoms and effects: Causes skin irritation. May cause an allergic skin reaction. Signs/symptoms may include localized redness, swelling, and itching.                                            |
| In case of eye contact  | Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.<br><br>Acute and delayed symptoms and effects: Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision. |
| If swallowed            | Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce                                                                                                                                                                                                                                                               |

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vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

### 4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Specific hazards arising from the chemical

Carbon oxides. Phosphorous oxides.

### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

Use water spray to cool unopened containers.

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## SECTION 6: Accidental release measures

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

Wear respiratory protection if necessary. Do not breathe dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation. Evacuate personnel to safe areas.  
For personal protection see section 8.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Stop leak if you can do it without risk. Sweep up and shovel into suitable containers for disposal.

#### Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Do not swallow. Do not breathe mist, vapors, or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. See Section 8 for information on Personal Protective Equipment.

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

Store locked up. Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children.

#### Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**CAS: 1310-58-3 (EC: 215-181-3)**

Potassium hydroxide

ACGIH (USA): 2 mg/m<sup>3</sup> PEL-C inhalation; 2 mg/m<sup>3</sup> PEL-C inhalation; Cal/OSHA (USA): 2 mg/m<sup>3</sup> PEL-C inhalation; NIOSH (USA): 2 mg/m<sup>3</sup> PEL-C inhalation

**CAS: 7664-38-2 (EC: 231-633-2)**

Phosphoric acid

ACGIH (USA): 1 mg/m<sup>3</sup>, (ST) 3 mg/m<sup>3</sup> TLV® inhalation; Cal/OSHA (USA): 1 mg/m<sup>3</sup>, (ST) 3 mg/m<sup>3</sup> PEL inhalation; NIOSH (USA): 1 mg/m<sup>3</sup>, (ST) 3 mg/m<sup>3</sup> REL inhalation; OSHA (USA): 1 mg/m<sup>3</sup> PEL inhalation

### **8.2 Appropriate engineering controls**

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

### **8.3 Individual protection measures, such as personal protective equipment (PPE)**

#### **Eye/face protection**

Tightly fitting safety goggles. If splash hazard, wear faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin protection**

Wear protective gloves. Consult manufacturer specifications for further information.

#### **Body protection**

Wear protective clothing. Clothing with full length sleeves and pants should be worn. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (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).

#### **Thermal hazards**

No data available.

#### **Environmental exposure controls**

Do not let product enter drains.

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## **SECTION 9: Physical and chemical properties**

### **Information on basic physical and chemical properties**

Appearance/form (physical state, color, etc.)  
Odor

Light amber liquid  
Mild

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|                                         |                    |
|-----------------------------------------|--------------------|
| Odor threshold                          | No data available. |
| pH                                      | 4.0-5.0            |
| Melting point/freezing point            | 32                 |
| Initial boiling point and boiling range | No data available. |
| Flash point                             | >212               |
| Evaporation rate                        | No data available. |
| Flammability (solid, gas)               | Non Flammable      |
| Upper/lower flammability limits         | No data available. |
| Upper/lower explosive limits            | No data available. |
| Vapor pressure                          | No data available. |
| Vapor density                           | No data available. |
| Relative density                        | 8.59               |
| Specific Gravity                        | 1.02 - 1.03        |
| Solubility(ies)                         | Soluble in Water   |
| Partition coefficient: n-octanol/water  | No data available. |
| Auto-ignition temperature               | No data available. |
| Decomposition temperature               | No data available. |
| Viscosity                               | No data available. |
| Explosive properties                    | No data available. |
| Oxidizing properties                    | No data available. |
| Charge                                  | Anionic            |

### Other safety information

No data available.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Contact with incompatible materials. Sources of ignition. Exposure to heat.

### 10.2 Chemical stability

Stable under normal storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

### 10.5 Incompatible materials

Strong bases, Oxidizing agents

### 10.6 Hazardous decomposition products

No data available.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Components:

Potassium hydroxide

LD50 Oral - Rat - 333 mg/kg

Symptoms (including delayed and immediate effects):

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Inhalation: May cause respiratory irritation. Signs/symptoms may include burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema.

Ingestion: Causes burns to nose, mouth, throat, and digestive tract. Signs/symptoms may include severe mouth, throat and abdominal pain, nausea, vomiting, and diarrhea, blood in the feces and/or vomitus may also be seen.

#### **Skin corrosion/irritation**

Causes skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

#### **Serious eye damage/irritation**

Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

#### **Respiratory or skin sensitization**

May cause an allergic skin reaction

#### **Germ cell mutagenicity**

No data available.

#### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### **Reproductive toxicity**

No data available.

#### **STOT-single exposure**

No data available.

#### **STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure

#### **Aspiration hazard**

No data available.

#### **Additional information**

No data available.

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## SECTION 12: Ecological information

#### **Toxicity**

No data available.

#### **Persistence and degradability**

No data available.

#### **Bioaccumulative potential**

No data available.

#### **Mobility in soil**

No data available.

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### Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

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## SECTION 13: Disposal considerations

### Disposal of the product

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

### Disposal of contaminated packaging

Dispose of as unused product.

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## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### 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, Chronic Health Hazard

#### Massachusetts Right To Know Components

Potassium hydroxide  
CAS-No. 1310-58-3

#### New Jersey Right To Know Components

Potassium hydroxide  
CAS-No. 1310-58-3

#### Pennsylvania Right To Know Components

Potassium hydroxide  
CAS-No. 1310-58-3

#### California Prop. 65 Components

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

#### HMIS Rating

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| ScaleBlok 10        |   |
|---------------------|---|
| HEALTH              | 1 |
| FLAMMABILITY        | 0 |
| PHYSICAL HAZARD     | 0 |
| PERSONAL PROTECTION | B |

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### SECTION 16: Other information

#### 16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Downhole Chemical Solutions be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Downhole Chemical Solutions has been advised of the possibility of such damages.