# Safety Data Sheet

According to Regulation (EC) No 1907/2006

Revision Date: 02/08/2019

Version: 2.3

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

### 1.1 Product identifiers

- **Product Name**: Crystal Screen Lite™
- **Product Number**: HR2-128
- **Product type**: Liquid
- **REACH No.**: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

**Identified uses**: For research use only. Not for drug, household, or other use.

### 1.3 Details of the supplier of the Safety Data Sheet

- **Company**: Hampton Research
  - 34 Journey
  - Aliso Viejo, CA 92656-3317
  - United States
- **Telephone**: 949 425 1321
  - Telephone technical support is available 8:00 a.m. to 4:30 p.m. USA Pacific Standard Time.
- **Fax**: 949 425 1611
  - Fax Technical Support is available 24 hours a day.
- **e-mail**: tech@hrmail.com
  - e-mail Technical Support is available 24 hours a day.

### 1.4 Emergency telephone number

- **Emergency phone**: 949 425 1321
- **For CHEMTREC Assistance**: 800 424 9300
- **For CHEMTREC Assistance**: 703 527 3887 (International)

## SECTION 2: Hazards Identification

### 2.1 Classification of the substance or mixture

- **Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**
  - see SECTION 16
  
- **Classification according to EU Directives 67/548/EEC or 1999/45/EC**
  - see SECTION 16

**Additional information:**

- Relevant R-phrase(s), S-phrase(s), GHS pictogram(s), Hazard statement(s), and Precautionary statement(s) please see SECTION 16
SECTION 4: First Aid Measures

4.1 Description of first aid measures

General Advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician
Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments
No specific treatment.
SECTION 5: Fire Fighting Measures

5.1 Extinguishing media
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media
None known

5.2 Special hazards arising from the substance or mixture
No data available

5.3 Advice for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further Information
No data available

SECTION 6: Accidental Release Measures

6.1 Personal Precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see SECTION 8 and 13.

SECTION 7: Handling and Storage

7.1 Personal Precautions
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. See Section 8 for additional information on hygiene measures. For precautions see section 16.

7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end uses
A part from the uses mentioned in section 1.2 no other specific uses are stipulated.
SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters
Components with workplace control parameters
Consult a physician. Show this safety data sheet to the doctor in attendance.

8.2 Exposure controls
Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection
Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental Exposure Controls
See SECTION 6

SECTION 9: Physical and Chemical Properties

No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
No data available

10.3 Possibility of hazardous reactions
No data available
SECTION 10: Stability and Reactivity

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
Other decomposition products - no data available

SECTION 11: Toxicological Information

Refer to Section 16

SECTION 12: Ecological Information

Refer to Section 16

SECTION 13: Disposal Considerations

13.1 Waste treatment methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a
combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

SECTION 14: Transportation Information

14.1 UN number
ADR/RID: 3316
IMDG: 3316
IATA: 3316

14.2 UN proper shipping name
ADR/RID: CHEMICAL KIT
IMDG: CHEMICAL KIT
IATA: Chemical kit

14.3 Transport hazard class(es)
ADR/RID: -
IMDG: -
IATA: -

14.4 Packaging group
ADR/RID: -
IMDG: -
IATA: -

14.5 Environmental hazards
ADR/RID: No
IMDG Marine pollutant: No
IATA: No
### SECTION 14: Transportation Information

14.6 Special precautions for user
No data available

### SECTION 15: Regulatory Information

This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available

15.2 Chemical Safety Assessment
No data available

### SECTION 16: Other Information

<table>
<thead>
<tr>
<th>Kit Components</th>
<th>Substances Name</th>
<th>[CAS]</th>
<th>R-Phrase</th>
<th>S-Phrase</th>
<th>GHS Pictogram</th>
<th>Hazard Statement</th>
<th>Precautionary Statement</th>
<th>WKG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(+/-)-2-Methyl-2,4-pentanediol</td>
<td>107-41-5</td>
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</table>
### Kit Components

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<th>CAS</th>
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</tr>
</thead>
<tbody>
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</tbody>
</table>

For additional information, please refer to the individual Material Safety Data Sheets(s).

### Relevant R-phrase(s), S-phrase(s), GHS Pictogram(s), Hazard statement(s), and Precautionary statement(s)

#### Risk Phrase(s)
- **R 11**: Highly Flammable
- **R 22**: Harmful if swallowed
- **R 23/25**: Toxic by inhalation and if swallowed
- **R 34**: Causes burns
- **R 36**: Irritating to the eyes
- **R 36/37/38**: Irritating to eyes, respiratory system and skin
- **R 36/38**: Irritating to eyes and skin
- **R 40**: Limited evidence of a carcinogenic effect
- **R 50/53**: Very toxic to aquatic organisms, may cause long term effects in the aquatic environment
- **R 61**: May cause harm to the unborn child
- **R 67**: Vapors may cause drowsiness or dizziness

#### Safety Phrase(s)
- **S 7**: Keep container tightly closed
- **S 16**: Keep away from sources of ignition - No smoking
- **S 20/21**: When using, do not eat, drink or smoke
- **S 22**: Do not breathe dust
- **S 24**: Avoid contact with skin
- **S 24/25**: Avoid contact with skin and eyes
- **S 26**: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- **S 28**: After contact with skin, wash immediately with plenty of soap
- **S 36**: Wear suitable protective clothing and seek medical advice
- **S 36/37/39**: Wear suitable protective clothing, gloves and eye/face protection
- **S 45**: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
- **S 53**: Avoid exposure - obtain specific instruction before use
- **S 60**: This material and/or its container must be disposed of as hazardous waste
- **S 61**: Avoid release to the environment. Refer to special instructions safety data sheet

### GHS Pictogram
- **GHS02**: Flammable liquids
- **GHS07**: Acute toxicity
- **GHS05**: Eye Irritation
- **GHS08**: Carcinogenicity
Relevant R-phrase(s), S-phrase(s), GHS Pictogram(s), Hazard statement(s), and Precautionary statement(s) (CONTINUED) - GHS Pictogram

GHS06 : Acute toxicity  GHS09 : Hazardous to aquatic life

Hazard statement(s)
H225 : Highly Flammable liquid and vapour.
H301 : Toxic if swallowed.
H302 : Harmful if swallowed.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
H331 : Toxic if inhaled.
H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H351 : Suspected of causing cancer.
H360D : May damage the unborn child.
H410 : Very toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

Precautionary statement(s)
P201 : Obtain special instructions before use.
P210 : Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P281 : Use personal protective equipment as required.
P301 + P310 : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P310 : Immediately call a POISON CENTER or doctor/physician.
P311 : Call a POISON CENTER or doctor/physician.
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 : Dispose of contents/container to a licensed disposal company.

DISCLAIMER
• For R&D use only. Not for drug, household, or other use.

WARRANTY
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