REF 1001307
Onyx® Strain Assessment Kit
Onyx Design DNA – E. coli

<table>
<thead>
<tr>
<th>Consumable ID Number</th>
<th>Consumable Ref Number and Relevant Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1002167 Well 1, Well 2</td>
</tr>
<tr>
<td>4</td>
<td>1002167 Well 4</td>
</tr>
</tbody>
</table>

*Note: Consumable wells are numbered such that Well 1 is the well closest to the Chamfer
1002167 Well 1, Well 2
Safety Data Sheet
Date of Issue: 11/03/2022

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

1.1. Product identifier
Product Form : Mixture
Product Name : 1002167 Well 1, Well 2

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Use of the substance/mixture : No use is specified.

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Company
Inscripta, Inc.
5764 Pacific Center Blvd
San Diego, CA 92121
619-708-8130
www.inscripta.com
info@inscripta.com

1.4. Emergency telephone number
Emergency number : 1-352-323-3500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification According to Regulation (EC) No. 1272/2008 [CLP]
Flam. Liq. 2          H225
Eye Irrit. 2          H319
Carc. 1B             H350

Full text of hazard classes and H-statements : see section 16

2.2. Label elements
Labelling According to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP) :

Signal word (CLP) : Danger
Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.
H350 - May cause cancer.

Precautionary statements (CLP) :
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with 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.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
2.3. Other hazards
PBT: not relevant – no registration required
vPvB: not relevant – no registration required
Other hazards not contributing to the classification:

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification According to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>(CAS-No.) 64-17-5</td>
<td>60 - 80</td>
<td>Flam. Liq. 2, H225</td>
</tr>
<tr>
<td></td>
<td>(EC-No.) 200-578-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(EC Index-No.) 603-002-00-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chloramphenicol</td>
<td>(CAS-No.) 56-75-7</td>
<td>0,1 - 1</td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
<td>(EC-No.) 200-287-4</td>
<td></td>
<td>Carc. 1B, H350</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Repr. 2, H361</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact: Immediately drench affected area with water for at least 15 minutes. Immediately remove contaminated clothing. If exposed or concerned: Get medical advice/attention.
First-aid measures after eye contact: Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects: May cause cancer. Causes serious eye irritation.
Symptoms/effects after inhalation: Prolonged exposure may cause irritation.
Symptoms/effects after skin contact: Prolonged exposure may cause skin irritation.
Symptoms/effects after eye contact: Contact causes severe irritation with redness and swelling of the conjunctiva.
Symptoms/effects after ingestion: Ingestion may cause adverse effects.
Chronic symptoms: May cause cancer. Repeated exposure may cause skin dryness or cracking.

4.3. Indication of any immediate medical attention and special treatment needed
If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water may be ineffective but water should be used to keep fire-exposed container cool.
Unsuitable extinguishing media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Highly flammable liquid and vapour. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.
Explosion hazard: May form flammable or explosive vapour-air mixture.
Reactivity: Reacts violently with strong oxidisers. Increased risk of fire or explosion.

5.3. Advice for firefighters
Precautionary measures fire: Exercise caution when fighting any chemical fire.
Firefighting instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

**General measures:**
- Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.
- Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges.

**For non-emergency personnel**
- **Protective equipment:** Use appropriate personal protective equipment (PPE).
- **Emergency procedures:** Evacuate unnecessary personnel. Stop leak if safe to do so.

**For emergency responders**
- **Protective equipment:** Equip cleanup crew with proper protection.
- **Emergency procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area. Eliminate ignition sources.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

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

**For containment:**
- Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

**Methods for cleaning up:**
- Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Transfer spilled material to a suitable container for disposal.
- Use only non-sparking tools. Contact competent authorities after a spill.

#### 6.4. Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Additional hazards when processed:** Handle empty containers with care because residual vapours are flammable.

**Precautions for safe handling:**
- Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Do not get in eyes, on skin, or on clothing. Do not breathe vapours, mist, spray. Take precautionary measures against static discharge. Use only non-sparking tools. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Hygiene measures:**
- Handle in accordance with good industrial hygiene and safety procedures.

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

**Technical measures:**
- Comply with applicable regulations. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

**Storage conditions:**
- Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place.

**Incompatible materials:**

#### 7.3. Specific end use(s)

No use is specified.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical</th>
<th>MAK Daily average value (mg/m³)</th>
<th>MAK Daily average value (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>1900 mg/m³</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Belgium</td>
<td>1907 mg/m³</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Bulgaria</td>
<td>1000 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Country</td>
<td>Limitation Type</td>
<td>Value</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------------------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Croatia</td>
<td>GVI (granična vrijednost izloženosti) (mg/m³)</td>
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</tr>
<tr>
<td>Croatia</td>
<td>GVI (granična vrijednost izloženosti) (ppm)</td>
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</tr>
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<td>France</td>
<td>VLE [mg/m³]</td>
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</tr>
<tr>
<td>France</td>
<td>VLE [ppm]</td>
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</tr>
<tr>
<td>France</td>
<td>VME [mg/m³]</td>
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</tr>
<tr>
<td></td>
<td>VME [ppm]</td>
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</tr>
<tr>
<td>Germany</td>
<td>Occupational exposure limit value (mg/m³)</td>
<td>380 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)</td>
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<td></td>
<td>Occupational exposure limit value (ppm)</td>
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</tr>
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<td>USA ACGIH</td>
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<tr>
<td></td>
<td>KZGW (ppm)</td>
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<td>Grenswaarde TGG 8H (mg/m³)</td>
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</tr>
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<td>OEL STEL (ppm)</td>
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<td>Finland</td>
<td>HTP-arvo (15 min)</td>
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<td>HTP–arvo (15 min) (ppm)</td>
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</tr>
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<td>AK–érték</td>
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</tr>
<tr>
<td></td>
<td>CK–érték</td>
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</tr>
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<td>IPRV (mg/m³)</td>
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<td>IPRV (ppm)</td>
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</tr>
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<td>TPRV (mg/m³)</td>
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</tr>
<tr>
<td></td>
<td>TPRV (ppm)</td>
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<tr>
<td>Norway</td>
<td>Grenseværdier (AN) (mg/m³)</td>
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<td>Grenseværdier (AN) (ppm)</td>
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<tr>
<td>Norway</td>
<td>Grenseværdier (Korttidsverdi) (mg/m3)</td>
<td>1187,5 mg/m³ (value calculated)</td>
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</table>
## Ethyl alcohol (64-17-5)

<table>
<thead>
<tr>
<th>Country</th>
<th>Standard</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Norway</td>
<td>Grenseverdier (Korttidsverdi) (ppm)</td>
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<td>625 ppm (value calculated)</td>
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<td>Poland</td>
<td>NDS (mg/m³)</td>
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<tr>
<td>Romania</td>
<td>OEL TWA (mg/m³)</td>
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</tr>
<tr>
<td>Romania</td>
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<td>OEL STEL (mg/m³)</td>
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</tr>
<tr>
<td>Romania</td>
<td>OEL STEL (ppm)</td>
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<td>5000 ppm</td>
</tr>
<tr>
<td>Slovakia</td>
<td>NPHV (priemerná) (mg/m³)</td>
<td></td>
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</tr>
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<td>Slovakia</td>
<td>NPHV (priemerná) (ppm)</td>
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<tr>
<td>Slovakia</td>
<td>NPHV (Hraničná) (mg/m³)</td>
<td></td>
<td>1920 mg/m³</td>
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<tr>
<td>Slovenia</td>
<td>OEL TWA (mg/m³)</td>
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<tr>
<td>Slovenia</td>
<td>OEL TWA (ppm)</td>
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<td>500 ppm</td>
</tr>
<tr>
<td>Slovenia</td>
<td>OEL STEL (mg/m³)</td>
<td></td>
<td>1920 mg/m³</td>
</tr>
<tr>
<td>Slovenia</td>
<td>OEL STEL (ppm)</td>
<td></td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Sweden</td>
<td>nivågränsvärde (NVG) (mg/m³)</td>
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<td>1000 mg/m³</td>
</tr>
<tr>
<td>Sweden</td>
<td>nivågränsvärde (NVG) (ppm)</td>
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<td>500 ppm</td>
</tr>
<tr>
<td>Sweden</td>
<td>kortidsvärde (KTV) (mg/m³)</td>
<td></td>
<td>1900 mg/m³</td>
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<tr>
<td>Sweden</td>
<td>kortidsvärde (KTV) (ppm)</td>
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<td>1000 ppm</td>
</tr>
<tr>
<td>Portugal</td>
<td>OEL TWA (ppm)</td>
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<td>1000 ppm</td>
</tr>
<tr>
<td>Portugal</td>
<td>OEL chemical category (PT)</td>
<td></td>
<td>A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans</td>
</tr>
</tbody>
</table>

## Chloramphenicol (56-75-7)

<table>
<thead>
<tr>
<th>Country</th>
<th>Standard</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulgaria</td>
<td>OEL TWA (mg/m³)</td>
<td></td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>Latvia</td>
<td>OEL TWA (mg/m³)</td>
<td></td>
<td>1 mg/m³</td>
</tr>
</tbody>
</table>

### 8.2 Exposure controls

**Appropriate engineering controls**: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment.


**Materials for protective clothing**: Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

**Hand protection**: Wear protective gloves.

**Eye and Face Protection**: Chemical safety goggles.

**Skin and body protection**: Wear suitable protective clothing.

**Respiratory protection**: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other information**: When using, do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>No data available</td>
</tr>
<tr>
<td>Colour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): Not applicable
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Solubility: No data available
Partition coefficient: n-octanol/water: No data available
Viscosity: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Reacts violently with strong oxidisers. Increased risk of fire or explosion.

10.2. Chemical stability
Highly flammable liquid and vapour. May form flammable or explosive vapour-air mixture.

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

10.5. Incompatible materials

10.6. Hazardous decomposition products
Not expected to decompose under ambient conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified (Based on available data, the classification criteria are not met)

<table>
<thead>
<tr>
<th>Ethyl alcohol (64-17-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
</tr>
<tr>
<td>LC50 Inhalation - Rat (Vapours)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chloramphenicol (56-75-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation: Causes serious eye irritation. (Ethyl alcohol causes serious eye irritation, though this is not included in its prescribed harmonised classification)
Respiratory or skin sensitisation: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity: May cause cancer.

Ethyl alcohol (64-17-5) in alcoholic beverages
IARC group: 1

Chloramphenicol (56-75-7)
IARC group: 2A

National Toxicology Program (NTP) Status: Reasonably anticipated to be Human Carcinogen, Substances delisted from report on Carcinogens.

Reproductive toxicity: Not classified (Based on available data, the classification criteria are not met)
STOT—single exposure: Not classified (Based on available data, the classification criteria are not met)
STOT—repeated exposure: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard: Not classified (Based on available data, the classification criteria are not met)
Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.
1002167 Well 1, Well 2
Safety Data Sheet

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.
Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.
Chronic Symptoms: May cause cancer. Repeated exposure may cause skin dryness or cracking.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: Not classified.

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 values (mg/l)</th>
<th>EC50 values (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol (64-17-5)</td>
<td>11200</td>
<td>9268 – 14221</td>
</tr>
<tr>
<td>LC50 fish 1</td>
<td></td>
<td>(Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td></td>
<td>9268 – 14221</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>&gt; 100</td>
<td>(Exposure time: 96 h - Species: Pimephales promelas [static])</td>
</tr>
<tr>
<td>ErC50 (algae)</td>
<td>1000</td>
<td></td>
</tr>
<tr>
<td>NOEC chronic crustacea</td>
<td>9,6</td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

1002167 Well 1, Well 2
Persistence and degradability: Not established.

12.3. Bioaccumulative potential

1002167 Well 1, Well 2
Bioaccumulative potential: Not established.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Partition coefficient n-octanol/water (Log Pow)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol (64-17-5)</td>
<td>-0,32</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

1002167 Well 1, Well 2
PBT: not relevant – no registration required
vPvB: not relevant – no registration required

12.6. Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Product/Packaging disposal recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.
Additional information: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued. In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>1170</td>
<td>1170</td>
<td>1170</td>
<td>1170</td>
<td>1170</td>
</tr>
</tbody>
</table>

14.1. UN number

14.2. UN proper shipping name

<table>
<thead>
<tr>
<th>ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)</th>
<th>ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)</th>
<th>Ethanol solution</th>
<th>ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)</th>
<th>ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)</th>
</tr>
</thead>
</table>

14.3. Transport hazard class(es)

3

14.4. Packing group

II

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1002167 Well 1, Well 2
Safety Data Sheet

14.5. Environmental hazards

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
</tr>
</tbody>
</table>

14.6. Special precautions for user
No additional information available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

| 3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F | 1002167 Well 1, Well 2; Ethyl alcohol |
| 3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 | 1002167 Well 1, Well 2 |
| 3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 | 1002167 Well 1, Well 2 |
| 40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. | 1002167 Well 1, Well 2; Ethyl alcohol |

Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

Ethyl alcohol (64-17-5)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Chloramphenicol (56-75-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

Date of Preparation or Latest Revision : 08/02/2021
Data sources : Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.


Full Text of H- and EUH-statements:

| Carc. 1B | Carcinogenicity, Category 1B |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Repr. 2 | Reproductive toxicity, Category 2 |
| H225 | Highly flammable liquid and vapour. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H350 | May cause cancer. |
| H361 | Suspected of damaging fertility or the unborn child. |
1002167 Well 1, Well 2
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Indication of Changes
No additional information available

Abbreviations and Acronyms

ACGIH – American Conference of Governmental Industrial Hygienists
ADN – European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR – European Agreement Concerning the International Carriage of Dangerous Goods by Road
ATE – Acute Toxicity Estimate
BCF – Bioconcentration Factor
BEI – Biological Exposure Indices (BEI)
BOD – Biochemical Oxygen Demand
CAS No. – Chemical Abstracts Service Number
CLP – Classification, Labeling and Packaging Regulation (EC) No 1272/2008
COD – Chemical Oxygen Demand
EC – European Community
EC50 – Median Effective Concentration
ECC – European Economic Community
EINECS – European Inventory of Existing Commercial Chemical Substances
EmS-No. (Fire) – IMDG Emergency Schedule Fire
EmS-No. (Spillage) – IMDG Emergency Schedule Spillage
EU – European Union
ErC50 – EC50 in Terms of Reduction Growth Rate
GHS – Globally Harmonized System of Classification and Labeling of Chemicals
IARC – International Agency for Research on Cancer
IATA – International Air Transport Association
IBC Code – International Bulk Chemical Code
IMDG – International Maritime Dangerous Goods
IPRV – Ilgalaikio Poveikis Ribočių Dydis
IOELV – Indicative Occupational Exposure Limit Value
LC50 – Median Lethal Concentration
LD50 – Median Lethal Dose
LOAEL – Lowest-Observed-Adverse Effect Level
LOEC – Lowest-Observed-Effect Concentration
Log Koc – Soil Organic Carbon-water Partitioning Coefficient
Log Kaw – Octanol/water Partition Coefficient
Log Pow – Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water
MAK – Maximum Workplace Concentration/Maximum Permissible Concentration
MARPOL – International Convention for the Prevention of Pollution

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
   Product Form: Mixture
   Product Name: 1002167 Well 4

1.2. Relevant identified uses of the substance or mixture and uses advised against
   1.2.1. Relevant identified uses
   Use of the substance/mixture: No use is specified.
   1.2.2. Uses advised against
   No additional information available

1.3. Details of the supplier of the safety data sheet
   Company
   Inscripta, Inc.
   5764 Pacific Center Blvd
   San Diego, CA 92121
   619-708-8130
   www.inscripta.com
   info@inscripta.com

1.4. Emergency telephone number
   Emergency number: 1-352-323-3500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
   Classification According to Regulation (EC) No. 1272/2008 [CLP]
   Resp. Sens. 1: H334
   Skin Sens. 1: H317
   Full text of hazard classes and H-statements: see section 16

2.2. Label elements
   Labelling According to Regulation (EC) No. 1272/2008 [CLP]
   Hazard pictograms (CLP):
   Signal word (CLP): Danger
   Hazard statements (CLP):
   H317 – May cause an allergic skin reaction.
   H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.
   Precautionary statements (CLP):
   P284 – Wear respiratory protection.
   P302+P352 – IF ON SKIN: Wash with plenty of water.
   P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
   P321 – Specific treatment (see supplemental first aid instruction on this label).
   P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.
   P342+P311 – If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
   P362+P364 – Take off contaminated clothing and wash it before reuse.
   P501 – Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards
   PBT: not relevant – no registration required
   vPvB: not relevant – no registration required
   Other hazards not contributing to the classification: Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 3: Composition/information on ingredients

3.1. Substances
   Not applicable
3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification According to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disodium ([2S-(2.alpha.,5.alpha.,6.beta.]-6-) (\text{carboxylatophenylacetamido}-3,3)-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate)</td>
<td>(CAS-No.) 4800-94-6 (EC-No.) 225-360-8</td>
<td>1 - 5</td>
<td>Resp. Sens. 1, H334 Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

**First-aid measures general**: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid measures after inhalation**: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**First-aid measures after skin contact**: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists.

**First-aid measures after eye contact**: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**First-aid measures after ingestion**: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

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

**Symptoms/effects**: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin sensitisation.

**Symptoms/effects after inhalation**: Exposure may produce cough, mucous secretions, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction.

**Symptoms/effects after skin contact**: May cause an allergic skin reaction.

**Symptoms/effects after eye contact**: May cause slight irritation to eyes.

**Symptoms/effects after ingestion**: Ingestion may cause adverse effects.

**Chronic symptoms**: May produce an allergic reaction.

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

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1. Extinguishing media

**Suitable extinguishing media**: Use extinguishing media appropriate for surrounding fire.

**Unsuitable extinguishing media**: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

**Fire hazard**: Will not support combustion unless the water has evaporated.

**Explosion hazard**: Product is not explosive.

**Reactivity**: Hazardous reactions will not occur under normal conditions.

**Hazardous decomposition products in case of fire**: Carbon oxides (CO, CO\(_2\)). Sodium oxides. Nitrogen compounds.

5.3. Advice for firefighters

**Precautionary measures fire**: Exercise caution when fighting any chemical fire.

**Firefighting instructions**: Use water spray or fog for cooling exposed containers.

**Protection during firefighting**: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

**General measures**: Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing.

**For non-emergency personnel**

**Protective equipment**: Use appropriate personal protective equipment (PPE).

**Emergency procedures**: Evacuate unnecessary personnel.

**For emergency responders**

**Protective equipment**: Equip cleanup crew with proper protection.

**Emergency procedures**: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.
6.3. Methods and material for containment and cleaning up

For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible materials: Oxidizers.

7.3. Specific end use(s)

No use is specified.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls: Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.


Materials for protective clothing: Chemically resistant materials and fabrics.

Hand protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other information: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
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<tr>
<td>Appearance</td>
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</tr>
<tr>
<td>Colour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
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</tr>
<tr>
<td>Evaporation rate</td>
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</tr>
<tr>
<td>Melting point</td>
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</tr>
<tr>
<td>Freezing point</td>
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</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
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<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
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</table>

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Relative vapour density at 20 °C: No data available
Relative density: No data available
Solubility: No data available
Partition coefficient: n-octanol/water: No data available
Viscosity: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Hazardous reactions will not occur under normal conditions.

10.2. Chemical stability
Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible materials
Oxidizers.

10.6. Hazardous decomposition products
Not expected to decompose under ambient conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity: Not classified (Based on available data, the classification criteria are not met)

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disodium [2S-(2.alpha.,5.alpha.,6.beta.)-6-(carboxylatophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate (4800-94-6)</td>
<td>Not classified (Based on available data, the classification criteria are not met)</td>
</tr>
</tbody>
</table>

LD50 oral rat: > 10 g/kg

Skin corrosion/irritation: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard: Not classified (Based on available data, the classification criteria are not met)

Symptoms/Injuries After Inhalation: Exposure may produce cough, mucous secretions, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction.
Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.
Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.
Chronic Symptoms: May produce an allergic reaction.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: Not classified.

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1002167 Well 4</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
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</thead>
<tbody>
<tr>
<td>1002167 Well 4</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No additional information available.
12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>1002167 Well 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBT: not relevant – no registration required</td>
</tr>
<tr>
<td>vPvB: not relevant – no registration required</td>
</tr>
</tbody>
</table>

12.6. Other adverse effects

| Other information | Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

<table>
<thead>
<tr>
<th>Product/Packaging disposal</th>
<th>Dispose of contents/container in accordance with local, regional, national, and international regulations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - waste materials</td>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>

SECTION 14: Transport information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued. In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not regulated for transport</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

14.3. Transport hazard class(es)

| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

14.4. Packing group

| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

14.5. Environmental hazards

| Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

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</tr>
</thead>
<tbody>
<tr>
<td>1002167 Well 4</td>
</tr>
</tbody>
</table>

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

<table>
<thead>
<tr>
<th>Disodium [2S-(2.alpha.,5.alpha.,6.beta.)]-6-(carboxylatophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate (4800-94-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
</tbody>
</table>

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

<table>
<thead>
<tr>
<th>Date of Preparation or Latest Revision</th>
<th>08/02/2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data sources</td>
<td>Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.</td>
</tr>
<tr>
<td>Other information</td>
<td>According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830</td>
</tr>
</tbody>
</table>
Full Text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Resp. Sens. 1</th>
<th>Skin Sens. 1</th>
<th>Respiratory sensitisation, Category 1</th>
<th>Skin sensitisation, Category 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>H334</td>
<td>May cause an allergic skin reaction.</td>
<td>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</td>
</tr>
</tbody>
</table>

Indication of Changes  No additional information available

Abbreviations and Acronyms

ACGIH – American Conference of Governmental Industrial Hygienists
ADN – European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR – European Agreement Concerning the International Carriage of Dangerous Goods by Road
ATE – Acute Toxicity Estimate
BCF – Bioconcentration Factor
BEI – Biological Exposure Indices (BEI)
BOD – Biochemical Oxygen Demand
CAS No. – Chemical Abstracts Service Number
CLP – Classification, Labelling and Packaging Regulation (EC) No 1272/2008
COD – Chemical Oxygen Demand
EC – European Community
EC30 – Median Effective Concentration
ECC – European Economic Community
EINECS – European Inventory of Existing Commercial Chemical Substances
EmS-No. (Fire) – IMDG Emergency Schedule Fire
EmS-No. (Spillage) – IMDG Emergency Schedule Spillage
EU – European Union
ErC50 – EC50 in Terms of Reduction Growth Rate
GHS – Globally Harmonized System of Classification and Labeling of Chemicals
IARC – International Agency for Research on Cancer
IATA – International Air Transport Association
IBC Code – International Bulk Chemical Code
IMDG – International Maritime Dangerous Goods
IPRV – Ilgalaikio Poveikio Ribinis Dydis
IOELV – Indicative Occupational Exposure Limit Value
LC50 – Median Lethal Concentration
LD50 – Median Lethal Dose
LOAEL – Lowest Observed Adverse Effect Level
LOEC – Lowest-Observed-Effect Concentration
Log Kow – Octanol/water Partitioning Coefficient
Log Pow – Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water
MAK – Maximum Workplace Concentration/Maximum Permissible Concentration
MARPOL – International Convention for the Prevention of Pollution

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.