SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier
Product Description: Pyridinium chlorochromate
Cat No. 183670000; 183670250; 183671000; 183675000
Synonyms PCC

Relevant identified uses of the substance or mixture and uses advised against
Recommended Use Laboratory chemicals
Uses advised against No Information available

Details of the supplier of the safety data sheet
Company
Acros Organics BVBA
Janssen Pharmaceuticalalaan 3a
2440 Geel, Belgium
E-mail address begel.sdsdesk@thermofisher.com

Emergency Telephone Number
For information in the US, call: 001-800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number, US: 001-201-796-7100
CHEMTREC Phone Number, US: 001-800-424-9300
CHEMTREC Phone Number, Europe: 001-703-527-3887

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
REGULATION (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 1A</td>
</tr>
<tr>
<td>Acute aquatic toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Oxidizing solids.</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Classification according to EU Directives 67/548/EEC or 1999/45/EC
For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

Symbol(s)
- O - Oxidizing
- T - Toxic
- N - Dangerous for the environment

R-phrase(s)
- R49 - May cause cancer by inhalation
- R8 - Contact with combustible material may cause fire
- R43 - May cause sensitization by skin contact

Risk Combination Phrases
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
SECTION 2. HAZARDS IDENTIFICATION

Label Elements

Signal Word  Danger
Hazard Statements
H317 - May cause an allergic skin reaction
H410 - Very toxic to aquatic life with long lasting effects
H350i - May cause cancer by inhalation
H272 - May intensify fire; oxidizer

Precautionary Statements - EU (§28, 1272/2008)
P280 - Wear eye protection/ face protection
P201 - Obtain special instructions before use
P308 + P313 - IF exposed or concerned: Get medical advice/ attention
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P273 - Avoid release to the environment

Other Hazards
No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>EEC No.</th>
<th>Carc. Cat.</th>
<th>R-phrases</th>
<th>H-Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromate(1-), chlorotrioxo-, (T-4)-, hydrogen, compound with pyridine(1:1)</td>
<td>26299-14-9</td>
<td>98</td>
<td>26299-14-9</td>
<td>Ox. Sol. 2 (H272) Skin Sens. 1 (H317) Carc. 1A (H350) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)</td>
</tr>
</tbody>
</table>

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

SECTION 4. FIRST AID MEASURES

**Description of first aid measures**

**Eye Contact**
Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**Skin Contact**
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is required.

**Ingestion**
Call a physician immediately. Clean mouth with water.

**Inhalation**
Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediate medical attention is required.

**Notes to Physician**
Treat symptomatically

SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing media**

**Suitable Extinguishing Media**
Water spray. Carbon dioxide (CO₂). Dry chemical. chemical foam.

**Extinguishing media which must not be used for safety reasons**
No information available.

**Special hazards arising from the substance or mixture**

Burning produces obnoxious and toxic fumes.

**Advice for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Environmental precautions

Prevent further leakage or spillage if safe to do so

Methods and material for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not breathe dust. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Use only in area provided with appropriate exhaust ventilation.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Do not store near combustible materials.

Specific End Uses

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits

<table>
<thead>
<tr>
<th>Component</th>
<th>Austria</th>
<th>Denmark</th>
<th>Switzerland</th>
<th>Poland</th>
<th>Norway</th>
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</thead>
<tbody>
<tr>
<td>Chromate(1-), chlorotrioxo-, (T-4)-, hydrogen, compound with pyridine(1:1)</td>
<td>TWA: 0.02 mg/m³ 8 timer</td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas

Personal protective equipment

ACR18367
Eye Protection
Goggles

Hand Protection
Protective gloves

Skin and body protection
Wear appropriate protective gloves and clothing to prevent skin exposure

Respiratory Protection
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls
No information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State
Powder, Solid

Appearance
Orange

pH
No information available.

Boiling Point/Range
No information available.

Melting Point/Range
205°C / 401°F

Decomposition temperature
205 °C

Flash Point
No information available.

Autoignition Temperature
No information available.

Molecular Formula
C₅ H₆ Cl Cr N O₃

Molecular Weight
215.56

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability
Stable under normal conditions. Moisture sensitive.

Possibility of Hazardous Reactions

Hazardous Polymerization
No information available.

Hazardous Reactions
No information available.

Conditions to Avoid
Avoid dust formation, Incompatible products, Exposure to moist air or water.

Incompatible Materials
Strong acids, Alcohols, Strong reducing agents.

Hazardous Decomposition Products
SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity
Product Information
No acute toxicity information is available for this product

Component Information

Chronic Toxicity
Carcinogenicity
There are no known carcinogenic chemicals in this product

Sensitization
May cause sensitization by skin contact

Mutagenic Effects
No information available

Reproductive Effects
No information available.

Developmental Effects
No information available.

Target Organs
No information available.

Other Adverse Effects
The toxicological properties have not been fully investigated.

Endocrine Disruptor Information
None known

SECTION 12. ECOLOGICAL INFORMATION

Toxicity
Ecotoxicity effects
Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

Persistence and degradability
No information available

Bioaccumulative potential
No information available.

Mobility in soil
No information available.

Results of PBT and vPvB assessment

Other adverse effects
No information available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from Residues / Unused Products
Dispose of in accordance with local regulations

Contaminated Packaging
Empty containers should be taken to local recyclers for disposal

SECTION 14. TRANSPORT INFORMATION

IMDG/IMO

UN-No 1479
Hazard Class 5.1
Packing Group II
Proper Shipping Name OXIDIZING SOLID, N.O.S.

ADR

UN-No 1479
Hazard Class 5.1
Packing Group II
Proper Shipping Name OXIDIZING SOLID, N.O.S.

IATA

UN-No 1479
Hazard Class 5.1
Packing Group II
Proper Shipping Name OXIDIZING SOLID, N.O.S.*

SECTION 15. REGULATORY INFORMATION

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

International Inventories

<table>
<thead>
<tr>
<th>Component</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>NLP</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>PICCS</th>
<th>ENCS</th>
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<td>247-595-5</td>
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<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>-</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Legend

ACR18367
SECTION 16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
R49 - May cause cancer by inhalation
R 8 - Contact with combustible material may cause fire
R43 - May cause sensitization by skin contact
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Revision Date 30-Apr-2012
Revision Summary
Reason for revision Not applicable
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
Disclaimer
The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet