MATERIAL SAFETY DATA SHEET OF PYRIDINUM CHLOROCHROMATE

SECTION 1. PRODUCT IDENTIFICATION

MSDS Name: Pyridinium Chlorochromate
Chemical Formula: C₅H₅N·ClCrO₃H
Synonym: -
Company Identification: Omkar Speciality Chemicals Ltd
               B-34, Unit-III, M.I.D.C. Badlapur (E),
               Dist. Thane, 421 503.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>Percent by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>26299-14-9</td>
<td>Pyridinium Chlorochromate</td>
<td>-</td>
</tr>
</tbody>
</table>

SECTION 3. HAZARD IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
- Oxidizing solids (Category 2)
- Skin sensitization (Category 1)
- Carcinogenicity, Inhalation (Category 1B)
- Acute aquatic toxicity (Category 1)
- Chronic aquatic toxicity (Category 1)

Classification according to EU Directives 67/548/EEC or 1999/45/EC
- May cause cancer by inhalation. Contact with combustible material may cause fire. May cause sensitization by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]
- Pictogram
- Signal word Danger
- Hazard statement(s)
- H272 May intensify fire; oxidiser.
- H317 May cause an allergic skin reaction.
H350i May cause cancer by inhalation.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)
P201 Obtain special instructions before use.
P220 Keep/Store away from clothing/ combustible materials.

SECTION 4. FIRST AID

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

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.

Indication of any immediate medical attention and special treatment needed
no data available

SECTION 5. FIRE AND EXPLOSION

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

Special hazards arising from the substance or mixture
Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas, Chromium oxides

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

Further information
Use water spray to cool unopened containers.
SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas.
Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or
by wet-brushing and place in container for disposal according to local regulations (see section 13).
Keep in suitable, closed containers for disposal.

Reference to other sections
For disposal see section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use.
Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition.
No smoking. Keep away from heat and sources of ignition.

Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end uses
no data available

SECTION 8. PERSONAL PROTECTION/EXPOSURE CONTROLS

Control parameters
Components with workplace control parameters
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
Face shield and safety glasses 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.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

a) Appearance Form: crystalline, powder   Colour: orange
b) Odour no data available
c) Odour Threshold no data available
d) pH no data available
e) Melting point/freezing point   Melting point/range: 205 - 208 °C - lit.
f) Initial boiling point and boiling range no data available
g) Flash point no data available
h) Evaporation rate no data available
i) Flammability (solid, gas) no data available

### SECTION 10. REACTIVITY/STABILITY

**Reactivity**
no data available

**Chemical stability**
no data available

**Possibility of hazardous reactions**
no data available

**Conditions to avoid**
no data available

**Incompatible materials**
Alcohols, Acetone, Methanol

**Hazardous decomposition products**
Other decomposition products - no data available

### SECTION 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

**Acute toxicity**
no data available

**Skin corrosion/irritation**
no data available
**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

**Results of PBT and vPvB assessment**
no data available

**Other adverse effects**
Very toxic to aquatic life with long lasting effects.
**SECTION 13. DISPOSAL**

**Waste treatment methods**

**Product**
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**
Dispose of as unused product.

**SECTION 14. TRANSPORTATION**

**UN number**
ADR/RID: 1479 IMDG: 1479 IATA: 1479
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**UN proper shipping name**
ADR/RID: OXIDIZING SOLID, N.O.S. (Pyridinium chlorochromate)
IMDG: OXIDIZING SOLID, N.O.S. (Pyridinium chlorochromate)
IATA: Oxidizing solid, n.o.s. (Pyridinium chlorochromate)

**Transport hazard class(es)**
ADR/RID: 5.1 IMDG: 5.1 IATA: 5.1

**Packaging group**
ADR/RID: II IMDG: II IATA: II.

**SECTION 15. REGULATORY INFORMATION**

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

**SECTION 16 - ADDITIONAL INFORMATION**

This document is intended only as a guide to the appropriate precautionary handling of material by a person trained in chemical handling. The user is responsible for determine the precautions & dangers of this chemical for his or her particular application depending on usage. Adequate protective clothing, including eye / face guards, approved respirators must be used to avoid contact with the material or breathing chemical vapors / fumes. Exposure to this product may cause adverse health effects.

This chemical may interact with other substances. Since the potential uses are so varied, M/s. Omkar Speciality Chemicals Ltd. cannot warn of all of the potential dangers of use or interaction with chemicals of materials. M/s. Omkar Speciality Chemicals Ltd. warrants that, the chemical meets the specifications set forth on the test report.
M/s. Omkar Speciality Chemicals Ltd. Disclaims any other warranties expressed or implied with regard to the product supplied hereunder its merchantability or its fitness for a particular purpose. The user should recognize that, this product can cause severe injury, especially if improperly handled or the known dangers of use are not heeded.

READ ALL PRECAUTIONARY INFORMATIONS.