1 Identification

· Product identifier

· Trade name: HATCHPAK® COCCI III
  USDA Code: 1431.51

· Details of the supplier of the safety data sheet

· Manufacturer/Supplier:
  Merial, Inc.
  P.O. Box 2497
  1168 Airport Parkway
  Gainesville, Georgia 30503
  770-536-8787

· Emergency telephone number:
  Spill Information:
  CHEMTREC® 1-800-424-9300
  CHEMTREC® International 1+703-527-3887
  International calls 011+703-527-3887
  Reverse charges.

2 Hazard(s) identification

· Classification of the substance or mixture

  GHS08 Health hazard

  Resp. Sens. 1  H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  Muta. 1B  H340  May cause genetic defects.
  Carc. 1B  H350  May cause cancer.
  Repr. 1B  H360  May damage fertility or the unborn child.
  STOT RE 1  H372  Causes damage to organs through prolonged or repeated exposure.

  GHS07

  Acute Tox. 4  H332  Harmful if inhaled.
  Skin Irrit. 2  H315  Causes skin irritation.
  Eye Irrit. 2A  H319  Causes serious eye irritation.
  Skin Sens. 1  H317  May cause an allergic skin reaction.

· Label elements

· GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
· Hazard pictograms GHS07, GHS08
· Signal word Danger

· Hazard-determining components of labeling:
  potassium dichromate

· Hazard statements
  H332 Harmful if inhaled.
  H315 Causes skin irritation.
Trade name: HATCHPAK® COCCI III
USDA Code: 1431.51

H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H340 May cause genetic defects.
H350 May cause cancer.
H360 May damage fertility or the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P284 [In case of inadequate ventilation] wear respiratory protection.
P280 Wear protective gloves.
P280 Wear eye protection / face protection.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P363 Wash contaminated clothing before reuse.
P308+P313 IF exposed or concerned: 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.
P314 Get medical advice/attention if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of water.
P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

NFPA ratings (scale 0 - 4)

Health = 1
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = *1
Fire = 0
Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.
3 Composition/information on ingredients

- Components:
  - Non hazardous inert ingredients: 97.5%
  - 7778-50-9 potassium dichromate: 2.5%

  - Additional information:
    Vaccine liquid contains live oocysts of the species Eimeria in a water based suspension containing potassium dichromate as a preservative.

4 First-aid measures

- Description of first aid measures
  - General information:
    Immediately remove any clothing soiled by the product.
    In case of irregular breathing or respiratory arrest provide artificial respiration.
    Involve doctor immediately.
  - After inhalation:
    Supply fresh air or oxygen; call for doctor.
    In case of unconsciousness place patient stably in side position for transportation.
    Seek immediate medical advice.
  - After skin contact:
    Immediately wash with water and soap and rinse thoroughly.
  - After eye contact:
    Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing:
    Immediately call a doctor.
  - After self injection
  - Most important symptoms and effects, both acute and delayed
    In case of symptomatic effect provide treatment to maintain life functions.
  - Indication of any immediate medical attention and special treatment needed
    No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents:
    CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - Special hazards arising from the substance or mixture
    No further relevant information available.
  - Advice for firefighters
  - Protective equipment:
    Fire fighters should wear self-contained breathing apparatus and full protective equipment.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  - Not required.
- Environmental precautions:
  - Do not allow product to reach sewage system or any water course.
  - Inform respective authorities in case of seepage of large quantities into water source or sewage system.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to section 13.
Ensure adequate ventilation.

Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling:
Precautions for safe handling
Store in cool, dry place in tightly closed containers.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store only in the original container.
Information about storage in one common storage facility: Not required.
Further information about storage conditions:
Keep receptacle tightly sealed.
Store in a cool, dry, well ventilated place.
Recommended storage temperature:
35-45ºF (2-7ºC)
Caution: Do not freeze
Do Not Freeze.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or inhale.
Do not store food in the working area.

Breathing equipment:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Protection of hands:

- Rubber or other impervious gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye protection:

- Tightly sealed goggles

Body protection: Impervious protective clothing

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Liquid
      - Color: Brownish
    - Odor: Characteristic
  - Change in condition
    - Melting point/Melting range: Undetermined.
    - Boiling point/Boiling range: Undetermined.
  - Flash point: Not applicable.
  - Auto igniting: Product is not self-igniting.
  - Danger of explosion: Product does not present an explosion hazard.
  - Specific gravity: Not determined.
  - Solubility in / Miscibility with
    - Water: Not miscible or difficult to mix.
  - Organic solvents: 0.0 %
  - Solids content: 2.5 %
  - Other information: No further relevant information available.

10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
Trade name: HATCHPAK® COCCI III
USDA Code: 1431.51

- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritating effect known.
    - on the eye: No irritating effect known.
  - Sensitization:
    Sensitization possible through inhalation.
    Sensitization possible through skin contact.
  - Additional toxicological information:

- Carcinogenic categories

  - IARC (International Agency for Research on Cancer)
    7778-50-9 potassium dichromate 1
  - NTP (National Toxicology Program)
    7778-50-9 potassium dichromate K
  - OSHA-Ca (Occupational Safety & Health Administration)
    None of the ingredients is listed.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Behavior in environmental systems:
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
  - Ecotoxicological effects:
  - Remark: Toxic for fish
  - Additional ecological information:

- General notes:
  Water danger class 3 (Self-assessment): extremely hazardous for water
  Do not allow product to reach ground water, water course or sewage system, even in small quantities.
  Danger to drinking water if even extremely small quantities leak into the ground.
  Also poisonous for fish and plankton in water bodies.
  Toxic for aquatic organisms
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
  - Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation: Incinerate unused liquid and containers.
### 14 Transport information

<table>
<thead>
<tr>
<th><strong>UN-Number</strong></th>
<th>Not Regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DOT</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Transport proper shipping name</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>ADR</strong></td>
<td>6.1</td>
</tr>
<tr>
<td><strong>Label</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Environmental hazards:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Marine pollutant:</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Special precautions for user</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</strong></td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

### 15 Regulatory information

<table>
<thead>
<tr>
<th><strong>Safety, health and environmental regulations/legislation specific for the substance or mixture</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SARA</strong></td>
<td><strong>Section 355 (extremely hazardous substances):</strong></td>
</tr>
<tr>
<td>None of the ingredients are listed.</td>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td><strong>Section 313 (Specific toxic chemical listings):</strong></td>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td><strong>TSCA (Toxic Substances Control Act):</strong></td>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td>?7778-50-9 potassium dichromate</td>
<td></td>
</tr>
<tr>
<td><strong>CA Proposition 65</strong></td>
<td><strong>Chemicals known to cause cancer:</strong></td>
</tr>
<tr>
<td>None of the ingredients are listed.</td>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td><strong>Chemicals known to cause reproductive toxicity for females:</strong></td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>None of the ingredients is listed.</td>
<td><strong>Chemicals known to cause reproductive toxicity for males:</strong></td>
</tr>
<tr>
<td>None of the ingredients is listed.</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td><strong>Chemicals known to cause developmental toxicity:</strong></td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>None of the ingredients is listed.</td>
<td><strong>Carcinogenesis potential categories</strong></td>
</tr>
<tr>
<td><strong>EPA (Environmental Protection Agency)</strong></td>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

---

**Trade name:** HATCHPAK® COCCI III  
**USDA Code:** 1431.51

- **Uncleaned package:**  
  - **Recommendation:** Disposal must be made according to official regulations.
Trade name: HATCHPAK® COCCI III
USDA Code: 1431.51

- **TLV (Threshold Limit Value established by ACGIH)**
  None of the ingredients is listed.

- **MAK (German Maximum Workplace Concentration)**
  None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
  None of the ingredients is listed.

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms** GHS07, GHS08
- **Signal word** Danger

- **Hazard-determining components of labeling:**
  potassium dichromate

- **Hazard statements**
  H332 Harmful if inhaled.
  H315 Causes skin irritation.
  H319 Causes serious eye irritation.
  H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  H317 May cause an allergic skin reaction.
  H340 May cause genetic defects.
  H350 May cause cancer.
  H360 May damage fertility or the unborn child.
  H372 Causes damage to organs through prolonged or repeated exposure.

- **Precautionary statements**
  P260 Do not breathe dust/fume/gas/mist/vapors/spray.
  P284 If in case of inadequate ventilation: Wear respiratory protection.
  P280 Wear protective gloves.
  P280 Wear eye protection / face protection.
  P264 Wash thoroughly after handling.
  P270 Do not eat, drink or smoke when using this product.
  P271 Use only outdoors or in a well-ventilated area.
  P272 Contaminated work clothing must not be allowed out of the workplace.
  P201 Obtain special instructions before use.
  P202 Do not handle until all safety precautions have been read and understood.
  P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P321+P311 Specific treatment (see on this label).
  P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
  P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  P312 Call a POISON CENTER/doctor if you feel unwell.
  P363 Wash contaminated clothing before reuse.
  P308+P313 IF EXPOSED OR CONCEIVED: 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.
  P314 Get medical advice/attention if you feel unwell.
  P302+P352 IF ON SKIN: Wash with plenty of water.
  P362+P364 Take off contaminated clothing and wash it before reuse.
  P405 Store locked up.
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Water hazard class:** Water danger class 3 (Self-assessment): extremely hazardous for water.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Contact:** MSDS Coordinator, msds@merial.com
- **Date of preparation / last revision:** 06/08/2016 / -
- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
  - ICAO: International Civil Aviation Organisation
  - ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - Ox. Sol. 2: Oxidising Solids, Hazard Category 2
  - Acute Tox. 3: Acute toxicity, Hazard Category 3
  - Acute Tox. 4: Acute toxicity, Hazard Category 4
  - Acute Tox. 2: Acute toxicity, Hazard Category 2
  - Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
  - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
  - Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
  - Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1
  - Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
  - Muta. 1B: Germ cell mutagenicity, Hazard Category 1B
  - Carc. 1B: Carcinogenicity, Hazard Category 1B
  - Repr. 1B: Reproductive toxicity, Hazard Category 1B
  - STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1