SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name: Chicken Collagen/IFA Emulsion
Catalog number: EK-0211
Brand: Hooke

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

Identified uses: Immunization of laboratory animals

1.3 Details of the supplier of the safety data sheet

Company: Hooke Laboratories, Inc.
439 South Union Street
Lawrence, MA 01843, USA

Technical information: +1 617 475 5114
Technical support: support@hookelabs.com

1.4 Emergency telephone number

Emergency telephone: +1 781 346 2302

SECTION 2 – HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil</td>
<td>8042-47-5</td>
<td>50%</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>46.0-46.3%</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>3.6%</td>
</tr>
<tr>
<td>Potassium phosphate dibasic</td>
<td>7758-11-4</td>
<td>0-2%</td>
</tr>
<tr>
<td>Chicken collagen</td>
<td>9007-34-5</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>Potassium phosphate monobasic</td>
<td>7778-77-0</td>
<td>&lt;0.1%</td>
</tr>
</tbody>
</table>

3.2 Mixtures

None.

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.

Oral Exposure:
Consult a physician. If person is conscious, rinse mouth with water.

Inhaled exposure:
Remove to fresh air. If breathing is difficult, consult a physician.
Skin contact:
Wash with soap and flush with copious amounts of water. Remove contaminated clothing or shoes.

Eye exposure:
Flush with copious amounts of water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
No data available.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 – FIRE FIGHTING MEASURES

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

5.2 Special hazards arising from the substance or mixture
Nature of decomposition products not known.

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

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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

For personal protection see section 8.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Recommended storage temperature: 2 - 4 °C.

Do not freeze.

7.3 Specific end use(s)
Apart 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:
Contains no substances with occupational exposure limit values.
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
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.

Body Protection
Lab coat.

Respiratory protection
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Do not let product enter drains.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance form     liquid
b) Odor      no data available
c) Odor threshold     no data available
d) pH      no data available
e) Melting point/freezing point     no data available
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
j) Upper/lower flammability or explosive limits   no data available
k) Vapor pressure     no data available
l) Vapor density     no data available
m) Relative density     no data available
n) Water solubility     no data available
o) Partition coefficient: n-octanol/water     no data available
p) Auto-ignition temperature     no data available
q) Decomposition temperature     no data available
r) Viscosity     no data available
s) Explosive properties     no data available
t) Oxidizing properties     no data available

9.2 Other safety information

No data available

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No data available.
10.6  Hazardous decomposition products
In the event of fire: see section 5.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1  Information on toxicological effects

Acute toxicity
No data available.

Skin corrosion/irritation
No data available.

Serious eye damage/eye irritation
No data available.

Respiratory or skin sensitization
No data available.

Germ cell mutagenicity
No data available.

Carcinogenicity
IARC:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH:
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP:
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA:
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available.

Specific target organ toxicity - single exposure
No data available.

Specific target organ toxicity - repeated exposure
No data available.

Aspiration hazard
No data available.

Additional Information
RTECS: Not available

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

SECTION 12 - ECOLOGICAL INFORMATION

12.1  Toxicity
No data available.

12.2  Persistence and degradability
No data available.

12.3  Bioaccumulative potential
No data available.

12.4  Mobility in soil
No data available.

12.5  Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6  Other adverse effects
No data available.
SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Place used syringes and needles in approved sharps container.

Observe all federal, state, and local environmental regulations when disposing of this product.

SECTION 14 - TRANSPORT INFORMATION

This product is not a hazardous material for any transportation purpose.

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15 - REGULATORY INFORMATION

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

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
No SARA hazards

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
Mineral oil, CAS-No. 8020-83-5, Revision Date 1989-08-11
Mannide monooleate 9049-98-3

New Jersey Right To Know Components
Mineral oil, CAS-No. 8020-83-5, Revision Date 1989-08-11
Mannide monooleate 9049-98-3

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16 - OTHER INFORMATION

HMIS rating:
Health: 0
Flammability: 0
Reactivity: 0

NFPA Rating:
Health: 0
Flammability: 0
Reactivity: 0

Further information

For research use only. Not for human consumption.

To the best of our knowledge, this information is correct. However, it does not represent any guarantee of the properties of the product, it does not purport to be all inclusive, and it should be used only as a guide. Hooke Laboratories, Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with due caution. Although certain hazards are described herein, we can not guarantee that these are the only other hazards which may exist. See http://hookelabs.com/terms.html for additional terms and conditions of sale.

Preparation information

Prepared by Hooke Laboratories, Inc.

- End of Safety Data Sheet -