

Material Safety Data Sheet

MSDS No.: MSDS#8018011E
Product Name: HRP Goat Anti Mouse IgG

First Revision Date: 2024.04.13
Last Revision Date: 2024.11.28 Version No.: 2.0

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

Identification of the substance or mixture

Product code 8018011
Product name HRP Goat Anti Mouse IgG

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

Relevant identified uses

For research use only. Not for use in diagnostic procedures.

Uses advised against

Not for consumer use.

Company/undertaking identification

Manufacturer: Shenzhen Dakewe Bio-engineering Co., Ltd.
Address: Room 702-703, Building No.1, Shenzhen Biomedicine Innovations Industrial Park, No.14 Jinhui Road, Kengzi Street, Pingshan District, Shenzhen, China
Tel: (86-755)86235300 Email: RD@dakewe.com Homepage: www.dakewe.com

24 hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident. Spill, Leak, Fire, Exposure, or Accident. Call CHEMTREC

International: +1-703-741-5970 and +1-703-527-3887
China: 4001-204937
the USA: 1-800-424-9300 and +1-703-527-3887

SECTION 2: Hazards identification

Australian SDS Statement

Not classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonised System (GHS)

GHS Classification

Health hazards

Not Hazardous

Physical hazards

Not Hazardous

Environmental hazards

Not Hazardous

Label elements

Signal Word

None

Hazard pictograms

None

Hazard pictograms names

None

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Hazard Statements

Not Applicable

Precautionary Statements

Prevention

Not Applicable

Response

Not Applicable

Storage

Not Applicable

Disposal

Not Applicable

Other hazards

Not Applicable

SECTION 3: Composition/information on ingredients

| Component | CAS No | Common name | EINECS No. | Weight % |
|-----------|---------|-------------|------------|----------|
| Glycerin | 56-81-5 | - | 200-289-5 | 40-70 |

We recommend handling all chemicals with caution.

Mixtures

No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures

Description of first aid measures

| | |
|--------------------|---|
| Skin contact | Rinse skin with water. Immediate medical attention is not required. |
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Ingestion | Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. |
| Inhalation | If breathed in, move person into fresh air. If not breathing, give artificial respiration. |
| Notes to Physician | Treat symptomatically. |

Most important symptoms and effects, both acute and delayed

Not Applicable

Indication of any immediate medical attention and special treatment needed

None .

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Water spray. Carbon dioxide Foam . Dry chemical.

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Unsuitable extinguishing media

No information available.

Special hazards arising from the substance or mixture
Not known

Protective equipment and precautions for firefighters
Standard procedure for chemical fires.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation
Always wear recommended Personal Protective Equipment
Use personal protection equipment See section 8 for more information

Environmental precautions

No special environmental precautions required.

Methods and material for containment and cleaning up

Soak up with inert absorbent material.

Reference to other sections

See section 8 for more information .

SECTION 7: Handling and storage

Precautions for safe handling

Use personal protective equipment as required. No special handling advices are necessary.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

Specific end use(s)

For research use only. Not for use in diagnostic procedures.

SECTION 8: Exposure controls/personal protection

Control parameters

| ChemicalName | Australia STEL | Australia | Australia – Skin Absorbers | Australia - OES - Peak |
|---------------------|----------------|----------------------|----------------------------|------------------------|
| Glycerin 56-81-5 | None | 10 mg/m ³ | None | None |

| ChemicalName | New Zealand – Workplace Exposure Limits | New Zealand TWA | New Zealand STEL | New Zealand Ceiling Limits |
|---------------------|---|----------------------|------------------|----------------------------|
| Glycerin 56-81-5 | None | 10 mg/m ³ | None | None |

| Chemical Name | China OEL (MAC) | China - Skin Absorbers | Hong Kong OEL |
|---------------------|-----------------|------------------------|---------------|
| Glycerin 56-81-5 | None | None | None |

| ChemicalName | Korea OEL (CEILING) | Korea OEL (TWA) | Korea OEL (STEL) |
|---------------------|---------------------|----------------------|------------------|
| Glycerin 56-81-5 | None | 10 mg/m ³ | None |

| Chemical Name | Korea OEL (Skin Notations) | Korea PEL (STELs) | Korea PEL (TWAs) |
|---------------|----------------------------|-------------------|------------------|
|---------------|----------------------------|-------------------|------------------|

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| | | | |
|---------------------|------|------|------|
| Glycerin 56-81-5 | None | None | None |
|---------------------|------|------|------|

| Chemical Name | Korea OEL (Carcinogens) | Korea OEL (Germ Cell Mutagenicity) | Korea OEL (Reproductive Toxicity) |
|---------------------|-------------------------|------------------------------------|-----------------------------------|
| Glycerin 56-81-5 | None | None | None |

| Chemical Name | Taiwan OEL - TWA | Taiwan OEL (Skin notations, Carcinogens) | Taiwan OEL (STELs) | Taiwan OEL (Ceilings) |
|---------------------|------------------|--|--------------------|-----------------------|
| Glycerin 56-81-5 | None | None | None | None |

| Chemical Name | Singapore OEL (PEL) | Singapore OEL (STEL) |
|---------------------|----------------------|----------------------|
| Glycerin 56-81-5 | 10 mg/m ³ | None |

| Chemical Name | ACGIH OEL (TWA) | ACGIH OEL (STEL) |
|---------------------|-----------------|------------------|
| Glycerin 56-81-5 | None | None |

Engineering Measures Ensure adequate ventilation, especially in confined areas

Exposure controls

Personal Protective Equipment

Respiratory protection In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand protection Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

Eye protection Tight sealing safety goggles

Skin and Body Protection Wear suitable protective clothing

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

Environmental exposure controls
No special environmental precautions required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | |
|-------------------------------|--------------------------|
| Appearance | liquid |
| Odour | No data available |
| Odour Threshold | No data |
| Molecular Weight | No data |
| pH | No data available |
| Melting point / melting range | °C No data °F No data |
| Boiling point / boiling range | °C No data °F No data |
| Flash point | °C No data °F No data |
| Autoignition Temperature | °C No data °F No data |

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| | |
|---------------------------|-----------------------|
| Decomposition temperature | °C No data °F No data |
| Evaporation rate | No data |
| Flammability (solid, gas) | No data available |
| Upper explosion limit | No data |
| Lower explosion limit | No data |
| Vapour Pressure | No data |
| Vapour density | No data |
| Relative density | No data |
| Specific gravity | No data |
| Solubility | No data available |
| Partition coefficient | No data available |
| n-octanol/water Viscosity | No data |
| Explosive properties | No data |
| Oxidising properties | No data |

Other information
No data available.

SECTION 10: Stability and reactivity

| | |
|------------------------------------|---|
| Reactivity | No data available. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous reaction has not been reported. |
| Conditions to avoid | No information available. |
| Incompatible materials | No dangerous reaction known under conditions of normal use. |
| Hazardous decomposition products | No data available. |

SECTION 11: Toxicological information

Information on toxicological effects

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|---------------------|-------------------|-----------------------------|
| Glycerin | = 12600 mg/kg (Rat) | No data available | >570mg/m ³ (Rat) |

Principal Routes of Exposure

| | |
|--|--|
| Acute toxicity | Data are conclusive but insufficient for classification. |
| Skin corrosion/irritation | Data are conclusive but insufficient for classification |
| Serious eye damage/irritation | Data are conclusive but insufficient for classification |
| Respiratory or skin sensitisation | Data are conclusive but insufficient for classification |
| Specific target organ toxicity(STOT) – single exposure | Data are conclusive but insufficient for classification |
| Specific target organ toxicity(STOT) – repeated exposure | Data are conclusive but insufficient for classification |
| Carcinogenicity | Data are conclusive but insufficient for classification |
| Germ cell mutagenicity | Data are conclusive but insufficient for classification |
| Reproductive toxicity | Data are conclusive but insufficient for classification |
| Aspiration hazard | Data are conclusive but insufficient for classification |

SECTION 12: Ecological information

Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

| Chemical Name | Toxicity to algae | Toxicity to daphnia and other aquatic invertebrates | Toxicity to fish | Microtox Data | log Pow |
|---------------|-------------------|---|------------------|---------------|---------|
| | | | | | |

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| | | | | | |
|----------|-------------------|---------------------------------------|-------------------|-------------------|-------------|
| Glycerin | No data available | Daphnia magna EC50>500 mg/L (24 h) | No data available | No data available | logPow-1.76 |
|----------|-------------------|---------------------------------------|-------------------|-------------------|-------------|

Mobility in soil No information available.

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other adverse effects No information available.

SECTION 13: Disposal considerations

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

SECTION 14: Transport information

IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations

| | |
|----------------------------|----------------|
| UN number | Not Applicable |
| UN proper shipping name | Not Applicable |
| Transport hazard class(es) | Not Applicable |
| Packing group | Not Applicable |

Environmental hazards

Not Applicable

Special precautions for user

Not Applicable

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

Not Applicable.

SECTION 15: Regulatory information

International Inventories

| Chemical Name | US TSCA | Canada (DSL) | NDSL | PICCS (Philippines) |
|---------------|---------|--------------|------|---------------------|
| Glycerin | Listed | Listed | - | Listed |

| Chemical Name | ENCs (Japan) | IECSC - China Inventory South Korea (KECL) AICS (Australia) of Existing Chemical Substances | South Korea (KECL) | AICS (Australia) |
|---------------|--------------|---|-----------------------|------------------|
| Glycerin | Listed | Listed | Listed | Listed |

| Chemical Name | NZIoC - New Zealand Inventory of Chemicals | EINECS (European Union) | ELINCS (European List of Notified Chemical Substances) |
|---------------|---|-------------------------|---|
| Glycerin | Listed | Listed | - |

United Nations-Chemical Weapons Convention, CWC

DAKEWE