

Doc No: 931-BB000

Rev: A

1. Identification of the substance or mixture and of the supplier

- a) GHS Product Identifier : Oligo-barcoded antibodies
- b) Other means of identification : Not available
- c) Product code : BB000
- d) Recommended use of the chemical and restrictions on use: Restricted for professional users.
- e) Supplier's details (including name, address, phone number etc.): Omicsveu
48810 Kato Road, Suite 100E & 200E
Fremont, CA 94538
- f) Emergency phone number : Omicsveu: (01) (510) 275-0550
Chemtrec Assistance: (800) 424-9300 (U.S. and Canada only)
(703) 527-3887 (all other countries)

2. Hazard identification

- a) GHS classification of the substance/mixture and any national or regional information:
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.
- b) GHS label elements, including precautionary statements:
The product does not need to be labeled in accordance with EC directives or respective national laws.
- c) Other hazards which do not result in the classification or are not covered by the GHS:
This substance is not classified as PBT or vPvB according to current EU criteria.

3. Composition/information on ingredients

- a) Chemical identity : Mixture
- b) Common name, synonyms, etc. : NA
- c) CAS number and other unique identifiers: No components need to be disclosed according to the applicable regulations.
- d) Impurities and stabilizing additives which are themselves classified and which contribute to the classification of a substance : No information available

NOTE: For information on ingredients, the competent authority rules for CBI take priority over the rules for product identification.

4. First aid measures

- a) Description of necessary measures:

Skin: In case of skin contact, immediately wash skin with soap and copious amounts of water for at least 15 minutes.

Eyes: In case of eye contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Get medical aid immediately.

Seek medical attention immediately in case of accidents. Please show the datasheet to the medical practitioner in attendance.

- b) Most important symptoms/effects, acute, and delayed: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Potential acute health effects

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| Eye | : NDA |
| Inhalation | : NDA |
| Skin contact | : NDA |
| Ingestion | : NDA |

Over-exposure symptoms

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| Eye | : No specific symptoms known. May be slightly irritating to eyes. |
| Inhalation | : NDA |
| Skin contact | : Prolonged contact may cause dryness of the skin. |
| Ingestion | : NDA |

- c) Indication of immediate medical attention and special treatment needed, if necessary:

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| Notes to physician | : Treat symptomatically. |
| Special treatment | : No special treatment. |

5. Fire-fighting measures

- a) Suitable (and unsuitable) extinguishing media:
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder, or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.
- b) Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products):
The product itself does not burn. However, thermal decomposition or combustion products may produce harmful gases or vapors.
- c) Special protective equipment and precautions for fire-fighters:
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots, and gloves) will provide a basic level of protection for chemical incidents.

6. Accidental release measures

- a) Personal precautions, protective equipment, and emergency procedures:
Wear self-contained breathing apparatus (SCBA) and full protective clothing. Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site.
- b) Environmental precautions:
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).
- c) Methods and materials for containment and cleaning up:
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. Handling and storage

- a) Precautions for safe handling:
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Read and follow manufacturer's recommendations. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.
- b) Conditions for safe storage, including any incompatibilities:
Store away from incompatible materials. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Recommended storage temperature: -20 °C.

8. Exposure controls/personal protection

- a) Control parameters (e.g., occupational exposure limit values or biological limit values):
Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of workday.
Contains no substances with occupational exposure limit values.
- b) Appropriate engineering controls:
VENTILATION: Provide local exhaust or process enclosure ventilation system to meet all federal, state, and local requirements.
RESPIRATOR: None required where adequate ventilation conditions exist.
EYE/SKIN PROTECTION: Wear safety goggles and appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged eye/skin contact with this substance.
- c) Individual protection measures, such as personal protective equipment:
ENGINEERING MEASURES: Provide adequate general and local exhaust ventilation.
RESPIRATORY EQUIPMENT: Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.
HAND PROTECTION: Use protective gloves.
EYE PROTECTION: Wear approved safety goggles.
HYGIENE MEASURES: Wash at the end of each work shift and before eating, smoking, and using the toilet. Do not eat, drink, or smoke when using this product.

9. Physical and chemical properties

- a) Appearance (physical state, color etc.): Liquid, colorless
- b) Odor : Odorless
- c) Odor threshold : NDA
- d) pH : NDA
- e) Melting point/freezing point : NDA
- f) Initial boiling point and boiling range : NDA
- g) Flash point : No specific test data are available.
- h) Evaporation rate : NDA

- i) Flammability (solid, gas) : NDA
- j) Upper/lower flammability or explosive limits: NDA
- k) Vapor pressure : NDA
- l) Vapor density : NDA
- m) Relative density : NDA
- n) Solubility (ies) : NDA
- o) Partition coefficient: n-octanol/water : NDA
- p) Auto-ignition temperature : NDA
- q) Decomposition temperature : NDA
- r) Viscosity : NDA

10. Stability and reactivity

- a) Reactivity : No specific reactivity data available
- b) Chemical stability : Stable under recommended storage conditions until expiry date.
- c) Possibility of hazardous reactions : No potentially hazardous reactions known.
- d) Conditions to avoid (e.g. static discharge, shock, or vibration): There are no known conditions that are likely to result in a hazardous situation.
- e) Incompatible materials : Strong oxidizing agents
- f) Hazardous decomposition products : Should not produce hazardous decomposition products under recommended storage conditions
Nature of decomposition products is not known. In the event of fire: see section 5

11. Toxicological information

- Acute toxicity : Based on available data the classification criteria are not met.
- Inhalation : Based on available data the classification criteria are not met.
- Dermal : Based on available data the classification criteria are not met.
- Skin corrosion/irritation : Based on available data the classification criteria are not met.
- Serious eye damage/eye irritation : Based on available data the classification criteria are not met.
- Respiratory or skin sensitization : Based on available data the classification criteria are not met.
- Germ cell mutagenicity : Based on available data the classification criteria are not met.
- Reproductive toxicity : Based on available data the classification criteria are not met.
- Specific target organ toxicity - single exposure: Not classified as a specific target organ toxicant after a single exposure.
- Specific target organ toxicity - repeated exposure: Not classified as a specific target organ toxicant after repeated exposure.
- Aspiration hazard : NDA

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.

Additional Information

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

12. Ecological information

- a) Ecotoxicity (aquatic and terrestrial, where available): Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment
- b) Persistence and degradability : NDA
- c) Bioaccumulative potential : NDA
- d) Mobility in the soil : NDA
- e) Other adverse effects : NDA

13. Disposal information

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:

Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose in accordance with all applicable federal, state, and local environmental regulations. The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous. Do not empty into drains.

14. Transport information**14.1 UN number**

ADR/RID : NA

IMDG : NA

IATA : NA

14.2 UN proper shipping name

ADR/RID : Not dangerous goods

IMDG : Not dangerous goods

IATA : Not dangerous goods

14.3 Transport hazard class (es)

ADR/RID : NA

IMDG : NA

IATA : NA

14.4 Packaging group

ADR/RID : NA

IMDG : NA

IATA : NA

14.5 Environmental hazards

ADR/RID : No

IMDG Marine pollutant: No

IATA : No

14.6 Special precautions for user

NDA

15. Regulatory information

Safety, health, and environmental regulations specific for the product in question:

SARA 302 Components

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

SARA 313 ComponentsThis 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**

No SARA hazards.

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.

Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (as amended).

16. Other information including information on preparation and revision of the SDS

Hazardous Material Information System (U.S.A)

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|-------------------------------|-----|
| Health, Chronic Health Hazard | : 0 |
| Flammability | : 0 |
| Physical Hazards | : 0 |

National Fire Protection Association (U.S.A)

| | |
|--------------------------------|-----|
| Health | : 0 |
| Flammability | : 0 |
| Instability/Reactivity Special | : 0 |

Key abbreviations

| | |
|-----|---------------------|
| NDA | : No data available |
| NA | : Not Applicable |

Notice to reader:

Each Omicsveu safety datasheet was developed to be used only with the corresponding Omicsveu product.

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