PRODUCT & COMPANY IDENTIFICATION

1.1 Product identifiers

Catalog Name	:	CD80 MAb - CSB0047
Product Name	:	CSB0047
Brand	:	VeRSaMAb® (Cell Surface Bio)

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

Recommended use	:	For research use only. Not Intended for diagnostic or therapeutic use.
Uses advised against	:	Not to be used in humans, food, or animals

1.3 Details of the supplier of the safety data sheet

Company	:	Integral Molecular, Inc. dba Cell Surface Bio One uCity Square, 25 N. 38th St, Suite 800 Philadelphia, PA 19104
Telephone	:	+1 (215) 987-0728

1.4 Emergency telephone number

Telephone	:	+1 (215) 987-0728
Uses advised against	:	Not to be used in humans, food, or animals

HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.
This substance/mixture is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

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

COMPOSITION/INFORMATION INGREDIENTS

CD80 MAb - CSB0047

FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation
Move person into fresh air. Obtain medical attention if difficulty breathing

Ingestion
Rinse mouth with water. Do not induce vomiting.

Skin contact
Wash off immediately with soap and plenty of water.

Eye contact
Flush eyes with plenty of water as a precaution.

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

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically

FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Substance is non-flammable. Use extinguishing agent suitable for surrounding fire.

5.2 Special hazards arising from the substance or mixture
None known.

5.3 Advice for firefighters
As in any fire, wear self-contained breathing apparatus and full protective gear if necessary.

ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

6.2 Environmental precautions
Should not be released into the environment.

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

6.4 Reference to other sections
Refer to protective measures in Sections 8 and 13.

HANDLING AND STORAGE

7.1 Precautions for safe handling
Handle in accordance with good industrial hygiene and safety practices. Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed. Stable for 12 months from date of receipt when stored at 4°C. Avoid repeated freeze-thaw cycles.

7.3 Specific end use(s)
See Section 1.2

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
General industrial hygiene practice

Personal protective equipment

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards.

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Body protection
Wear impervious clothing

Respiratory protection
Respiratory protection not required.

Control of environmental exposure
No special environmental precautions required.

PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear
Form	Liquid
pH	7.4
Odor	No information available
Flash point	No information available
Flammability (solid, gas)	No information available
Vapor pressure	No information available
Water solubility	No information available

9.2 Other safety information
No information available

STABILITY AND REACTIVITY

10.1 Reactivity
No information available

10.2 Chemical stability
No information available

10.3 Possibility of hazardous reactions
No information available

10.4 Conditions to avoid
No information available

10.5 Incompatible materials
No information available

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

TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
No information available

Skin corrosion/irritation
No information available

Serious eye damage/eye irritation
No information available

Respiratory or skin sensitization
No information available

Germ cell mutagenicity
No information available

Carcinogenicity

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

ACGIH: No component of this product present at >0.1% levels is identified as probable, possible or confirmed human carcinogen by ACGIH.

NTP: No component of this product present at >0.1% levels is identified as probable, possible or confirmed human carcinogen by NTP.

OSHA: No component of this product present at >0.1% levels is identified as probable, possible or confirmed human carcinogen by OSHA.

Reproductive toxicity

No information available

Aspiration hazard

No information available

Additional Information

RTECS: Not available

Chemical, physical and toxicological properties have not been thoroughly investigated.

ECOLOGICAL INFORMATION

12.1 Toxicity

No information available

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

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

12.6 Other adverse effects
No information available

DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
Use a licensed disposal company with biological waste disposal capability.

Contaminated packaging
Dispose of as for unused product.

TRANSPORT INFORMATION

Not dangerous goods

REGULATORY INFORMATION

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

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

SARA 313 Components
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

State Right To Know Components
No known hazardous components.

15.2 Chemical safety assessment

A Chemical Safety Assessment (CSA) has not been conducted.

OTHER INFORMATION

Disclaimer

The above information is believed to be correct but does not claim to be all inclusive and should only be used as a guide. Integral Molecular shall not be held liable for any damage resulting from handling or from contact with the above product.

Safety Data Sheet Preparation

Integral Molecular, Inc. dba Cell Surface Bio
One uCity Square, 25 N. 38th St., Suite 800
Philadelphia, PA 19104