

PRODUCT & COMPANY IDENTIFICATION**1.1 Product identifiers**

Catalog Name : PDCD1 MAb - CSB0023
Product Name : CSB0023
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

PDCD1 MAb - CSB0023

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

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Philadelphia, PA 19104

