Safety Data Sheet

MANUFACTURER

CellMosaic, Inc.
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General Information

Trade Name: PerKit™ ADC Control Kit with VC-PAB Linker
Part No. Covered by this SDS: CM11429x1, CM11429x3

Product Content

1) A 1.5 mL microcentrifuge tube containing less than 1 mg of Mc-VC-PAB-OH solution (hazardous).
2) A 0.5 mL microcentrifuge tube containing less than 10 mg of Reagent A (non-hazardous).
3) A tube containing 1.5 or 6 mL of solution A (non-hazardous).
4) A bottle containing 4 or 12 mL of reducing buffer (non-hazardous).
5) A bottle containing 4 or 12 mL of labeling buffer (non-hazardous).
6) A plastic bottle containing 20 or 60 mL of Storage Buffer (phosphate buffer saline) (non-hazardous).
7) A plastic bag containing centrifugal filter devices, desalting columns, and microcentrifuge tubes (non-hazardous).

Handling and Storage for Hazardous Chemicals

Handling for **MC-VC-PAB-OH solution**: See attached supplemental information.

Transportation

None of the components in the kit is regulated for transportation.

Supplemental information starts from the next page.

MC-VC-PAB-OH Solution

SECTION 1. Identification of the substance/mixtures and of the company/undertaking

1.1 Product Identifiers

Product Name: MC-VC-PAB-OH Solution
Synonyms: Mc-Val-Cit-PAB-OH solution; Maleimide (S)-2-((S)-2-amino-3-methylbutanamido)-N-(4-(hydroxymethyl) phenyl)-5-ureidopentanamide solution
Product No.: CM11018.1

1.2 Detail of the supplier of the safety data sheet

Company: CellMosaic, Inc. 10A Roessler Road, Woburn, MA 01801, Phone: +1 781-463-0002

SECTION 2. Hazards Identification

2.1 Classification of the substance or mixture

Pictogram: none

Combustible liquid GHS Category 4

2.2 GHS Label elements, including precautionary statements.

Signal Word: WARNING
Hazard Statement(s):
H227 – Combustible liquid
Precaution Statement(s):
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/ container to an approved waste disposal plant.

2.3. Hazards not otherwise classified (HNOC) or not covered by GHS: Rapidly absorbed through skin.

SECTION 3. Composition and Information on Ingredients

Ingredient	CAS No.	Percent	Hazardous
Mc-Val-Cit-PAB-OH Formula: $C_{28}H_{40}N_6O_7$	159857-80-4	0.1-1%	No
The specific chemical identities of the organic solvent is being held as a trade secret (Proprietary component)	N/A	99.0-99.9%	Yes

SECTION 4. First Aid Measures

Inhalation: Remove to fresh air.
Ingestion: If swallowing: drink water (two glasses at most). Consult doctor if feeling unwell.
Skin Contact: Remove any contaminated clothing. Rinse skin with water/shower.
Eye Contact: Check for and remove contact lenses. Immediately flush eyes with plenty of water.
Notes to Physician: Treat symptomatically and supportively.

SECTION 5. Fire Fighting Measures

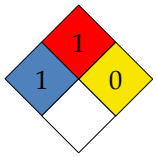
5.1 Flammability

Products of Combustion: May decompose into hazardous combustion gases or vapors under fire conditions (nitrogen oxides, carbon oxides, sulfur oxides).

Specific Fire Hazards: As in any fire, always wear self-contained breathing apparatus in pressure-demand (MSA/NIOSH approved or equivalent), and full protective gear. Use water spray to keep fire exposed containers cool. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products.
Specific Explosion Hazards: Will not explode.
Fire Fighting Media: Use water spray, or appropriate foam.

5.2 NFPA

Health Rating: 1
Flammability Rating: 1
Instability: 0
Physical hazards: N/A



SECTION 6. Accidental Release Measures

Avoid raising and breathing aerosol and provide adequate ventilation. Absorb spilled liquid with sorbent pads, socks, or other inert material such as vermiculite, sand, or earth. Keep away from sources of ignition. Approach the spill from upwind and pick up absorbed material and transfer to a chemical waste container for disposal in accordance with local regulations. Always use proper personal protective equipment as described in section 8.

SECTION 7. Handling and Storage

Handling: Always use proper personal protective equipment as described in section 8. Wash hands thoroughly after handling. Avoid contact with eyes, skin, and clothing. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid breathing vapor or mist.
Storage: Store away from ignition sources. Keep it in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8. Exposure Controls/Personal Protection

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: Safety glasses with side-shields conforming to EN166 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.
Full contact Material:
Chloroprene.
Minimum layer thickness: 0.65 mm.
Break through time: 480 min.
Body Protection: Wear impervious protective clothing, including gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. 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

Physical State and Appearance: Clear, Colorless liquid.
Odor: No information available.

Solubility: Soluble in water.
Specific Gravity: ~1.09 at RT.
pH: slightly basic 8-9 (50/50 in H_2O).
Boiling Point: No information available.
Freezing/Melting Point: No information available.
Flash Point: 90-100°C (194-212 °F).
Autoignition Temperature: >300 °C (572 °F).
Flammable Limits (% in air): Lower Limit 1 3-3.5 vol%, Upper Limit 40-60 vol%.
Vapor Density (Air=1): N/A.
Vapor Pressure: N/A.
Evaporation Rate (Butyl acetate =1): No information available.
Partition coefficient; n-octanol/water: No information available.
Decomposition Temperature: No information available.
Viscosity: N/A.
Molecular Formula: N/A.
Molecular Weight: N/A.

SECTION 10. Stability and Reactivity

Stability: Stable at room temperature in closed container under normal handling and storage conditions.
Hazardous Decomposition Products: Sulfur dioxides, nitrogen oxides, carbon dioxides.
Hazardous Polymerization: Will not occur.
Incompatibilities with Various Substances: Organic and inorganic acid chlorides, strong oxidizing agents, alkali metals, hydrobromic acid, acidic solutions of alkali bromides, iron (III) compounds.
Conditions to Avoid: Prolonged heating above 143 °C (293 °F).

SECTION 11. Toxicological Information

Information on Toxicological Effects: The toxicological effects of this product has not been thoroughly studied.

SECTION 12. Ecological Information

Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution**.**
Persistence and degradability: No information available.
Bioaccumulative potential: No information available.
Mobility in Soil: No information available.
Results of PBT and vPvB: No information available.
Other adverse effects: No information available.

SECTION 13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14. Transport Information

Land Transport (US DOT):
Proper Shipping Name: Not dangerous goods.
DOT Hazard Class (<100 gallons per container): Not regulated.
I.D. Number: None.
Packing Group: None.
Label(s): None.
Land Transport (European ADR/RID): unregulated.
Air Transport (ICAO/IATA): unregulated.
TDG (Canada) Status: unregulated.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

SECTION 15. Regulatory Information

SARA 302 Components: This material does not contain any components with a section 302 EHS TPQ.
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: Fire Hazard, Chronic Health Hazard.
Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act.

SECTION 16. Other Information

References:
This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and WHMIS Controlled Products Regulation, Chemical Abstract databases, Superfund Amendments and Reauthorization Act (SARA) and other similar compound's SDS.

Other Special Considerations: Not available

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Revision Information: Version 2
Product Use: Laboratory Reagent

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Prepared by: CellMosaic, Inc. Health and Safety.