



Safety Data Sheet

MANUFACTURER

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General Information

Trade Name: Maleimide Activated KLH HL
Part No. Covered by this SDS: CM52109-1x2MG, CM52109-3x2MG.

Product Content

- 1) CM52109-1x2MG - One tube containing 2 mg of lyophilized maleimide activated KLH (Hemocyanin from Megathura crenulate) HL.
- 2) CM52109-3x2MG – Three tubes containing 2 mg each of lyophilized maleimide activated KLH (Hemocyanin from Megathura crenulate) HL.

Handling and Storage for Hazardous Chemicals

Handling for **Maleimide Activated KLH HL**: See attached supplemental information.

Transportation

DOT (US): Not dangerous goods

IATA: Not dangerous goods

IMDG: Not dangerous goods

Supplemental information starts from next page.



Maleimide Activated KLH HL

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

1.1 Product identifiers

Product Name: Maleimide Activated KLH HL
 Product No.: CM52109-1x2MG, CM52109-3x2MG

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, USA.

SECTION 2. Hazards Identification

2.1. Classification of the substance or mixture

Pictogram: None required.
 Eye Irritation: Irritating to eyes (Category 2B)

2.2. GHS Label elements, including precautionary statements.

Signal Word: WARNING

Hazard Statements: H320: Causes eye irritation.

Precautionary Statements:

- P280 – Wear eye protection/face protection.
- P281 – Use personal protective equipment as required.
- P264 – Wash hands thoroughly after handling.
- P305 + P351 + P338 IF IN EYES – Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3. Composition and Information on Ingredients

Product Name: Maleimide Activated KLH HL

Ingredient	MW & Formula	CAS No.	Percent
Maleimide activated KLH (Hemocyanin from Megathura crenulate)	4-8 Million Daltons (MDa)	Not assigned.	100%

SECTION 4. First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Ingestion: If swallowed, DO NOT INDUCE VOMITING without medical advice. Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms persist.

Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

SECTION 5. Fire Fighting Measures

5.1. Flammability

Products of Combustion: Carbon 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: No explosion hazard known.



Fire Fighting Media: Use water spray, or appropriate foam.

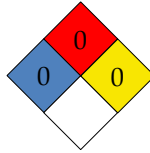
5.2. NFPA

Health: 0

Flammability: 0

Reactivity: 0

Specific Hazard: N/A



SECTION 6. Accidental Release Measures

Wear appropriate personal protective equipment. Isolate hazard area. Do not flush to sewer. Sweep up and shovel into suitable, closed containers for disposal.

SECTION 7. Handling and Storage

Handling: Use personal protective equipment as required.

Storage: Recommended storage of the product is below $-20\text{ }^{\circ}\text{C}$ under dark conditions.

SECTION 8. Exposure Controls/Personal Protection

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Appropriate engineering controls: General industrial hygiene practice

Skin Protection: Wear impervious protective clothing, including gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Respiratory Protection: Not normally required under typical laboratory handling conditions. Use appropriate respiratory protection if dust generation occurs.

SECTION 9. Physical and Chemical Properties

Appearance: White powder

Odor: No information available.

Solubility: Soluble in water.

Specific Gravity: No information available.

pH: 6-7 when dissolved in water.

Melting Point: No information available.

Boiling Point: No information available.

Vapor Density (Air=1): No information available.

Vapor Pressure (mm Hg): No information available.

Evaporation Rate (BuAc=1): No information available.

SECTION 10. Stability and Reactivity

Stability: Stable under recommended storage condition.

Hazardous Decomposition Products: No hazardous decomposition product.

Incompatibilities: Strong oxidizers.

Conditions to Avoid: Strong acids and strong bases.

SECTION 11. Toxicological Information

Oral LD50: No data available.

Chronic Effects on Humans: No data available.

Other Toxic Effects on Humans: No data available.

Special Remarks on Toxicity to Animals: No data available.

Special Remarks on Chronic Effects on Humans: No data available.

Special Remarks on other Toxic Effects on Humans: No data available.



Likely Routes of Exposure: Eye contact, inhalation of powder. Symptoms: May cause mild eye irritation. Dust may cause mild respiratory irritation.

Delayed and Immediate Effects: No known significant delayed effects.

SECTION 12. Ecological Information

Environmental Fate: No information available

Environmental Toxicity: No information available

SECTION 13. Disposal Considerations

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

SECTION 14. Transport Information

DOT (US): Not dangerous goods

IATA: Not dangerous goods

IMDG: Not dangerous goods

SECTION 15. Regulatory Information

OSHA Hazards: Causes eye irritation.

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.

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components: No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components: No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SECTION 16. Other Information

References: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and WHMIS 2015 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