

1. PRODUCT AND COMPANY IDENTIFICATION

Product code 95103-250; 95103-012; 95103-05K
84162; 84163

Product name AccuMelt™ HRM SuperMix

Manufacturer
QUANTA BIOSCIENCES INC.
202 PERRY PKWY., SUITE 1
GAITHERSBURG, MD 20877
(800) 364-2149

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components

Chemical Name	CAS-No	Weight %
Tris(hydroxymethyl)aminomethane	77-86-1	<1.1

3. HAZARDS IDENTIFICATION

Emergency Overview

Irritating to eyes. May be irritating to skin.

Form

Liquid

Potential Health Hazards

Eyes	Irritating to eyes.
Skin	May be irritating to skin.
Inhalation	Not an expected route of entry
Ingestion	Not an expected route of entry

Specific Effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available

Target Organ Effects Eyes. Skin.

4. FIRST AID MEASURES

Skin contact	Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.
Eye contact	Rinse thoroughly with plenty of water for 10-15 minutes, also under the eyelids. If irritation persists, get medical attention.
Ingestion	Never give anything by mouth to an unconscious person
Inhalation	Move to fresh air
Notes to physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Dry chemical
Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment
Methods for cleaning up Soak up with inert absorbent material

7. HANDLING AND STORAGE

Handling Avoid contact with skin and eyes.
Storage Keep in properly labeled containers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Tris(hydroxymethyl)aminomethane	-	-	-	-

Engineering measures Local ventilation

Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment

Hand protection Protective gloves

Eye protection Safety glasses with side-shields

Skin and body protection None necessary

Hygiene measures Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls Prevent product from entering drains

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form Liquid

Important Health Safety and Environmental Information

Boiling point/range °C 100 °F 210

Melting point/range °C 0 °F 32

Flash point °C Will not flash °F Will not flash

Autoignition temperature °C No data available °F No data available

Oxidizing properties No information available

Water solubility Soluble

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions
Materials to avoid No information available
Hazardous decomposition products No information available
Polymerization Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Tris(hydroxymethyl)aminomethane	5900 mg/kg (Rat)	No data available	No data available

Principle Routes of Exposure/ Potential Health Effects

Eyes	Irritating to eyes.
Skin	May be irritating to skin.
Inhalation	Not an expected route of entry
Ingestion	Not an expected route of entry

Specific Effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available

Target Organ Effects Eyes. Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	No information available
Mobility	No information available
Biodegradation	Inherently biodegradable
Bioaccumulation	Does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

IATA

Non-hazardous for air transport

RIS/ADR

Non-hazardous for road transport

IMDG

Non-hazardous for sea transport

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	PICCS	ENCS	DSL	NDSL	AICS
Tris(hydroxymethyl)aminomethane	Listed	Not determined	Not determined	Listed	-	Not determined

U.S. Federal Regulations

SARA 313

Not regulated

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

U.S. State Regulations

Chemical Name	Massachusetts -RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Tris(hydroxymethyl)aminomethane	-	-	-	-	-

California Proposition 65

This product contains the following Proposition 65 chemicals: none

WHMIS Hazard class

Not a controlled product

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. OTHER INFORMATION

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

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END of Safety Data Sheet