

# ARTICULAR ENGINEERING

## MATERIAL DATA SAFETY SHEET

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### Section 1 – Product and Company Information

Product name	Chondrocyte Medium
Product code	M2600
Catalogue number	
Company	Articular Engineering
Street Address	1818 Skokie Blvd.
City, State, Zip, Country	Northbrook, IL, 60062, USA
Phone	(847) 498 -9634
Fax	(847) 498 -9638

### Section 2 – Composition/Information on Ingredients

Substance name	CAS#	Percent
Chondrocyte Medium	None	None

### Section 3 – Hazards Information

#### HMIS RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

#### NFPA RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

### Section 4 – First Aid Measures

#### ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

#### INHALATION EXPOSURE

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

#### DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

#### EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with finger. Call a physician.

### Section 5 – Fire Fighting Measures

#### FLASH POINT

N/A

#### AUTOIGNITION TEMP

N/A

#### FLAMMABILITY

N/A

#### EXTINGUISHING MEDIA

Suitable: Water spray, Carbon dioxide, dry chemical powders, or appropriate foam.

#### FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Emits toxic fumes under fire conditions.

### Section 6 – Accidental Release Measures

Accidental releases may subject to special reporting requirements and other regulatory mandates. Refer to Section 8 for personal protection equipment recommendations.

#### Spill Cleanup:

Absorb spill. Common absorbent materials should be effective. Deposit in appropriate containers for removal and disposal.

### Section 7 – Handling and Storage

Storage of some materials is regulated by federal, state, and/or local laws.

Storage Pressure:

Ambient

Handling Procedures:

Keep closed or covered when not in use.

Storage Procedures:

Suitable for most general chemical storage areas.

Store at 2-8°C and protect from light.

## Section 8 – Exposure Controls, Personal Protection

Exposure Limits:

Component	OSHA PEL (ppm)	AGCIH TWA (ppm)
No hazardous components		

Engineering Controls:

Area ventilation is generally adequate.

Personal Protective Equipment:

Eye:

Safety glasses should be the minimum eye protection.

Skin:

Gloves should be used as minimum hand protection.

Respiratory:

No respiratory protection will be needed under normal industrial operating conditions.

## Section 9 – Physical and Chemical Properties

Appearance/physical state:	Liquid solution / suspension
Odor:	No odor.
Specific Gravity/Density:	Not available.
Octanol/water Partition coeff:	Not available.
Volatiles:	Not available.
Evaporation Rate:	Not available.
Viscosity:	Not available.
Molecular Weight:	Not available.

pH:	Not available.
BP/BP Range:	Not available.
MP/MP Range:	Not available.
Freezing Point:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Saturated Vapor Conc.:	Not available.
Bulk Density:	Not available.
VOC Content:	Not available.
Water content:	Not available.
Solvent content:	Not available.
Surface Tension:	Not available.
Decomposition Temp.:	Not available.
Flash Point:	Not available.
Explosion Limits:	Not available.
Flammability:	Not available.
Autoignition Temp.:	Not available.
Refractive Index:	Not available.
Optical Rotation:	Not available.
Miscellaneous Data:	Not available.
Solubility:	Not available.

## Section 10 – Stability and Reactivity

### Stability:

Stable under ordinary conditions of use and storage.

### Conditions to avoid:

Strong oxidizers.

### Hazardous Decomposition Products:

Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides, Hydrogen chloride gas.

### Hazardous Polymerization:

Not expected to occur.

## Section 11 – Toxicological Information

### Acute Toxicity:

### Dermal/Skin:

May cause skin irritation.

Inhalation/Respiratory:  
Not determined.

Oral/Ingestion:  
May be harmful if swallowed.

Target Organs:  
No data found.

Carcinogenicity:  
NTP:  
Not tested.

IARC:  
Not listed.

OSHA:  
Not regulated.

Other Toxicological Information

## **Section 12 – Ecological Information**

Ecotoxicological Information:  
No ecological information available.

Environmental Fate (Degradation, Transformation, and Persistence):  
Bioconcentration is not expected to occur.

## **Section 13 – Disposal Considerations**

Regulatory Information:  
Not applicable.

Disposal Method:  
Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.

## **Section 14 – Transport Information**

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be nonhazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

## Section 15 – Regulatory Information

### UNITED STATES REGULATORY INFORMATION:

TSCA:

This product is solely for research and development purposes only and may not be used, processed or distributed for a commercial purpose. It may only be handled by technically qualified individuals.

Prop 65 Listed Chemicals:

PROP 65

PERCENT

No Prop 65 Chemicals.

No 313 Chemicals

SARA Listed:

No.

### CANADA REGULATORY INFORMATION:

DSL/NDSL:

No.

WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

### EUROPEAN UNION REGULATORY INFORMATION:

PRODUCT RISK PHRASES:

None assigned.

PRODUCT SAFETY PHRASES:

Not applicable.

PRODUCT CLASSIFICATION:

Not classified as hazardous.

## Section 16 – Other Information

HMIS Rating 0-4:

FIRE: Not determined.

HEALTH: Not determined.

REACTIVITY: Not determined.

Abbreviations

N/A – Data is not applicable or not available

SARA – Superfund and Reauthorization Act

HMIS – Hazard Material Information System

WHMIS – Workplace Hazard Materials Information System

NTP – National Toxicology Program

OSHA – Occupational Health and Safety Administration

IARC – International Agency for Research on Cancer

PROP 65 – California Safe Drinking Water and Toxic Enforcement Act of 1986

EINECS – European Inventory of Existing Commercial Chemical Substances

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