

## Material Safety Data Sheet (MSDS)

### Non-Enzymatic Cell Dissociation Solution

#### SECTION 1: GENERAL INFORMATION

<b>Product name</b>	Non-Enzymatic Cell Dissociation Solution	
<b>Catalog number</b>	ST01003-S7, ST01005-S1, ST03001	
<b>Synonyms</b>	Not Applicable	
<b>Application of substance</b>	Cell culture	
<b>Intended use</b>	For professional use and research purposes only.	
<b>Manufacturer</b>	Stemmera Inc., USA	
<b>Address</b>	1751, Fortune Drive, Unit G-2, San Jose, CA 95131 USA	
<b>Emergency contact no.</b>	+1-650-776-5670	Email: info@stemmera.com

For *in vitro* use. CAUTION: Not for human or animal therapeutic use.

#### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	EINECS-No	Weight
Acetic acid, (ethylenedinitrilo)tetra-, disodium salt, dihydrate	7803-55-6	205-358-3	0.02-0.1%

We recommend handling all chemicals with caution.

#### SECTION 3: HAZARDS IDENTIFICATION

<b>Signal Word</b>	<b>WARNING</b>
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Health Hazard	
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ systemic toxicity (single exposure)	Category 3
Physical Hazards	
	not hazardous
Hazard statements	
	H316 - Causes mild skin irritation H320 - Causes eye irritation H335 - May cause respiratory irritation
Precautionary statements	
	P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

	<p>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</p> <p>P337 + P313 - If eye irritation persists: Get medical advice/attention</p> <p>P332 + P313 - If skin irritation occurs: Get medical advice/attention</p> <p>P264 - Wash hands thoroughly after handling</p>
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Principle Routes of Exposure/Potential Health Effects	
Eyes	Irritating to eyes.
Skin	Irritating to skin.
Inhalation	Irritating to respiratory system.
Ingestion	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Effects/Carcinogenicity	None
OSHA Regulatory Status	Not available

HMIS	
Health	1
Flammability	0
Reactivity	0

#### SECTION 4: FIRST AID MEASURES

Eyes	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Skin	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.
Ingestion	Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately.
Note to Physician	Treat symptomatically.

#### SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical.
Fire Fighting Procedures	Wear self-contained breathing apparatus and protective suit.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.
Methods for cleaning up	Soak up with inert absorbent material.

#### SECTION 7: HANDLING AND STORAGE

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<b>Handling</b>	Always wear recommended Personal Protective Equipment. No special handling advices are necessary.
<b>Storage</b>	Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTIONS

<b>Exposure Limits</b>				
<b>Chemical Name</b>	<b>OSHA PEL</b>	<b>OSHA PEL (Ceiling)</b>	<b>ACGIH OEL (TWA)</b>	<b>ACGIH OEL (STEL)</b>
Acetic acid, (ethylenedinitrilo)tetra-, disodium salt, dihydrate	None	None	None	None

<b>Engineering measures</b>	Ensure adequate ventilation, especially in confined areas.
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<b>Personal Protective Equipment</b>	
Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment.
Eye protection	Wear safety glasses with side shields (or goggles).
Hand protection	Impervious gloves.
Skin and body protection	Lightweight protective clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

<b>Environmental Exposure Controls</b>	Prevent product from entering drains. Do not allow material to contaminate ground water system.
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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>General Information</b>	
Physical State	Liquid
Appearance	No Data Available
Odor	No Data Available
Boiling Point	No Data Available
Melting Point	No Data Available
Flash Point	No Data Available
Autoignition Temperature	No Data Available
Oxidizing properties	No Data Available
Solubility in Water	Soluble

The physical properties of this product has not been determined but are believed to be very close to that of water.

## SECTION 10: STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	No information available.
<b>Possibility of hazardous reactions</b>	No information available.
<b>Hazardous decomposition products</b>	No information available.

Polymerization	None under normal processing.
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## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute Toxicity

No toxicology information is available.

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Acetic acid, (ethylenedinitrilo) tetra-, disodium salt, dihydrate	no data available	no data available	no data available

Principle Routes of Exposure	Potential Health Effects
Eyes	May cause eye irritation in susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful when inhaled.
Ingestion	May be harmful if swallowed.

Carcinogenic effects	None
Mutagenic effects	None
Reproductive toxicity	None
Sensitization	None
Target Organ Effects	No known effects under normal use conditions

## SECTION 12: ECOLOGICAL INFORMATION

Bioaccumulation	No information available.
Biodegradation	No information available.
Ecotoxicity effects	No information available.
Mobility	No information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

Waste material must be disposed of in accordance with federal, state and local environmental regulations.

## SECTION 14: TRANSPORT INFORMATION

### IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations.
Hazard class	None
Packing group	None
Subsidiary Class	None
UN-No	None

## SECTION 15: REGULATORY INFORMATION

Component	TSCA
Acetic acid, (ethylenedinitrilo)tetra-, disodium salt, dihydrate	-

6381-92-6 ( 10-30 )

### US Federal Regulations

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#### SARA 313

This product is not regulated by SARA.

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

This product does not contain HAPs.

### US State Regulations

Component	Massachusetts-RTK	New Jersey-RTK	Pennsylvania-RTK	Illinois-RTK	Rhode Island-RTK
Acetic acid, (ethylenedinitrilo)tetra-, disodium salt, dihydrate	-	-	-	-	-

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### WHMIS Hazard Class

D2B Toxic materials



This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### SECTION 16: OTHER INFORMATION

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"

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