

SAFETY DATA SHEET

Version 1

Issuing Date: 15-Jan-2019

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Code(s) C1067, CUS-ASC-05X, CUS-ASC1X; C1062, C1068, C1125, CUS-CMC-0.5X, CUS-CMC-1X, CUS-CM2-0.5X, CUSCM2-1X, iPSC-CM; C1069, CUS-CPC-0.5X, CUS-CPC-1X; C1070, C1123, CUSDNC-0.5X, CUS-DNC-1X, iPSC-DN; C1064, CUS-ECC-0.5X, CUS-ECC-1X, iPSCEC; C1079; C1071, CUS-HPC-0.5X, CUS-HPC-1X; C1066, C1076, CUS-PHC-0.5X, CUS-PHC-1X, iPSC-HC, iPSC-HC 2.0; C1072; C1077; C1073, C1074, CUS-iPSC; CUS-iPSC-ENG, iPSC, iPSC-ENG; C1065, CUS-MAC-0.5X, CUS-MAC-1X; CUSMNC-0.5X, CUS-MNC-1X iPSC-MAC; C1078; C1063, C1124, CUS-NRC-0.5X, CUS-NRC-1X, iPSC-NC; C1108, C1109; C1075; C1126; C1080, CUS-SKM-0.5X, CUS-SKM-1X, iPSC-SKM

Product Name MyCell® Products

Recommended use of the chemical and restrictions on use

Product Use For research use only

Uses advised against No information available

Supplier

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Section 2: HAZARDS IDENTIFICATION

GHS Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

GHS Label elements, including precautionary statements

None

Hazard Statements

None

Precautionary Statements**Prevention**

Not applicable

Response

Not applicable

Storage

Not applicable

Disposal

Not applicable

Other hazards

None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight-%	ENCS	ISHL No	CAS No
Dimethyl Sulfoxide	10 - 20%	(2)-1553	(2)-1553	67-68-5

Section 4: FIRST AID MEASURES

General advice	If symptoms persist, call a physician.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation persists.
Skin contact	Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.
Ingestion	If swallowed, call a poison control center or physician immediately.
Inhalation	Remove to fresh air. If symptoms persist, call a physician.
Self-Protection of the First Aider	Use personal protective equipment.
Signs and Symptoms of Exposure	No information available.
Notes to physician	Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, CO ₂ , alcohol-resistant foam or water spray.
Unsuitable Extinguishing Media	None known.
Specific hazards arising from the chemical	None known.
Hazardous Combustion Products	Carbon oxides. Sulfur oxides.

Special protective equipment for fire-fighters Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment. Avoid contact with skin, eyes or clothing.

Environmental precautions Prevent product from entering drains.

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use personal protective equipment as required. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

Section 7: HANDLING AND STORAGE

Handling

Technical measures Use personal protective equipment as required. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists.

General ventilation Ensure adequate ventilation.

Precautions for safe handling See section 8 for more information. See section 10 for more information.

Storage

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Packaging materials Keep only in original packaging

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory protection In case of inadequate ventilation wear respiratory protection.

Hand Protection Wear suitable gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Eye/Face Protection Tight sealing safety goggles.

Skin and body protection Suitable protective clothing.

General Hygiene Considerations When using do not eat, drink or smoke. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area and clothing is recommended.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	clear	Odor	Slight
Odor Threshold	No information available	Physical State @20°C	Liquid
pH	No information available		
Boiling point / boiling range	No information available	Flash point	No information available
Autoignition temperature	No information available	Decomposition temperature	No information available

Melting point / melting range 0 °C / 32 °F **Freezing Point** -4 °C / 24.8 °F
Vapor Pressure
Flammability Limit in Air No information available

Section 10: STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage conditions

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Excessive heat. Freezing.

Incompatible Materials

Strong oxidizing agents. Strong acids. Strong bases. Acid chlorides.

Hazardous Decomposition Products

None known.

Section 11: TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

Inhalation

No known effects under normal use conditions.

Eyes

No known effects under normal use conditions.

Skin

Causes mild skin irritation.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Numerical measures of toxicity - Product Information

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
Dimethyl Sulfoxide	= 14500 mg/kg (Rat) = 28300 mg/kg (Rat)	= 40 g/kg (Rat)	> 5.33 mg/L (Rat) 4 h

Carcinogenicity

None known.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation

Mild skin irritant.

Corrosivity

No information available.

Sensitization

No information available.

Mutagenic Effects

No information available.

Reproductive Toxicity

No information available.

Aspiration hazard	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	Skin.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Algae toxicity	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Dimethyl Sulfoxide		<i>Pimephales promelas</i> : 34000 mg/L at 96 h	

Bioaccumulation

No information available

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: TRANSPORT INFORMATION

<u>IMDG</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>ADR/RID</u>	Not regulated
<u>IATA</u>	Not regulated

Section 15: REGULATORY INFORMATION

International Inventories

TSCA	Yes
DSL/NDSL	Yes
EINECS/ELINCS	Yes
ENCS	Yes
IECSC	Yes
KECL	Yes
PICCS	Yes
AICS	Yes

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

Industrial Safety and Health Law Not applicable

Chemical Name	Dangerous Substances	organic solvents	Harmful Substances Whose Names Are to be Indicated on the Label	ISHL - Prevention of Hazards Due to Specified Chemical Substances (Class 2)	Prevention of Lead Poisoning
Dimethyl Sulfoxide 67-68-5	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Chemical Name	Pollution Release and Transfer Registry (Class II):	Pollution Release and Transfer Registry (Class I):	Poisonous and Deleterious Substances Control Law	Fire Service Law:
Dimethyl Sulfoxide 67-68-5	Not applicable	Not applicable	Not applicable	Group 4

Section 16: OTHER INFORMATION

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