# **Safety Data Sheet**

Issue Date: 06-Dec-2023 Revision Date: 07-Dec-2023 Version 1

# 1. IDENTIFICATION

**Product identifier** 

Product Name SCI-300-8084-FC-A

Other means of identification

SDS # SCIC-040

Recommended use of the chemical and restrictions on use

**Recommended Use** Aliphatic polyaspartic coating fast-cure.

# Details of the supplier of the safety data sheet

**Supplier Address** 

THIS SAFETY DATA SHEET IS NOT COMPLIANT UNLESS U.S. ADDRESS IS USED

**Emergency telephone number** 

**Emergency Telephone** INSERT PHONE NUMBER(S)

# 2. HAZARDS IDENTIFICATION

Appearance Clear liquid Physical state Liquid

# Classification

Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1

# Signal Word Warning

# **Hazard statements**

Causes serious eye irritation May cause an allergic skin reaction

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<u>Precautionary Statements - Prevention</u>
Wash face, hands and any exposed skin thoroughly after handling Avoid breathing dust/fume/gas/mist/vapors/spray Contaminated work clothing must not be allowed out of the workplace Wear protective gloves/eye protection/face protection

#### **Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of water and soap Wash contaminated clothing before reuse If skin irritation or rash occurs: Get medical advice/attention

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### Other hazards

Harmful to aquatic life with long lasting effects

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
1,1'-Methylenebis[(3-methylcyclohexyl-4)-2-amin o-butanedioic acid], tetraethyl ester	136210-32-7	40-50
Tetraethyl N,N'-(methylenedicyclohexane-4,1-diyl)bis-dl-asp artate; (Aspartic Acid Ester)	136210-30-5	35-40
Propylene carbonate	108-32-7	5-10

<sup>\*\*</sup>If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

# 4. FIRST AID MEASURES

#### **Description of first aid measures**

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Skin Contact** Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical

advice/attention.

**Inhalation** Remove to fresh air.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

#### Most important symptoms and effects, both acute and delayed

Symptoms May be harmful in contact with skin. Causes serious eye irritation. May cause an allergic

skin reaction.

# Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

# Suitable Extinguishing Media

In case of fire: water fog, foam, dry chemical powder, carbon dioxide (CO2).

Unsuitable Extinguishing

Do not use water jet as it might spread flame.

Media

#### **Specific Hazards Arising from the Chemical**

During fire, nitrous gases, fumes/smoke, isocyanates and vapor may be formed.

**Hazardous combustion products** Combustion products may include: acidic hydrogen chloride & hydrogen fluoride, carbon oxide, hydrocarbons, nitrogen oxides and smoke.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

# Personal precautions, protective equipment and emergency procedures

**Personal Precautions** As a general precaution, take personal precaution not to breath gas, vapors, or dusts. Do

not get in eyes, on skin or clothing. Use appropriate personal protection equipment. In

the event of an emergency, evacuate any unnecessary personnel.

**Environmental precautions** 

**Environmental precautions** As an environmental precaution, prevent spillage to sewers, public waters, and do not

penetrate ground/soil. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

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

Methods for Clean-Up For containment, ensure adequate ventilation and absorb any spill with inert liquid

binding material and dispose of waste safely.

# 7. HANDLING AND STORAGE

#### Precautions for safe handling

Advice on Safe Handling Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing

dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing and eye/face protection.

Conditions for safe storage, including any incompatibilities

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

**Incompatible Materials** Water, amines, substances that react to polyureas.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

**Appropriate engineering controls** 

Engineering Controls Local exhaust ventilation required. Make up air should be supplied to balance air that is

removed by local or general exhaust ventilation. Provide sufficient ventilation to keep vapors below permissible exposure limit. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure

all national/local regulations are observed.

Individual protection measures, such as personal protective equipment

Chemicals. Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Wear chemical resistant protection gloves. Wear impervious clothing as necessary to

protect against coming in contact with product. Refer to 29 CFR 1910.138 for appropriate

skin and body protection.

**Respiratory Protection** If insufficient ventilation, wear respiratory protection. Refer to 29 CFR 1910.134 for

respiratory protection requirements.

General Hygiene Considerations

Do not eat, drink or smoke during work. Avoid all contact with skin or eye. If clothing comes into contact with material, do not allow out of the workplace. Clean hands and any

exposed skin thoroughly after work and before breaks.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid

Appearance Clear liquid Odor Not determined

ColorColorlessOdor ThresholdNot determined

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH No data available

Melting point / freezing point No data available

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Initial boiling point and boiling

range

140 °C / 284 °F

106 °C / 222.8 °F Flash point

**Evaporation Rate** Not determined

Flammability (Solid, Gas) Not determined

Flammability Limit in Air

Upper flammability or explosive limits

No data available

Lower flammability or

explosive limits

No data available

**Vapor Pressure** Not determined

**Vapor Density** No data available

**Relative Density** 1.12-1.13

**Water Solubility** Insoluble in water

Solubility in other solvents Not determined

**Partition Coefficient** Not determined

Autoignition temperature No data available

**Decomposition temperature** Not determined

Kinematic viscosity Not determined

Dynamic Viscosity Not determined

**Explosive Properties** Not determined **Oxidizing Properties** Not determined

# 10. STABILITY AND REACTIVITY

#### Reactivity

Not reactive under normal conditions.

#### **Chemical stability**

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

Risk of bursting. Reacts with alcohols. Reacts with acids. Reacts with alkalis. Reacts with amines. Risk of exothermic reaction.

#### **Conditions to Avoid**

Keep away from heat, sparks and open flame. Avoid high temperatures. Avoid contact with incompatible materials.

# **Incompatible materials**

Water, amines, substances that react to polyureas.

# **Hazardous decomposition products**

None known based on information supplied.

# 11. TOXICOLOGICAL INFORMATION

# Information on likely routes of exposure

**Product Information** 

**Eye Contact** Avoid contact with eyes.

**Skin Contact** May be harmful in contact with skin.

**Inhalation** Do not inhale.

**Ingestion** Do not ingest.

# **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene carbonate	= 29000 mg/kg (Rat)	> 3000 mg/kg(Rabbit)	-
108-32-7			

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Please see section 4 of this SDS for symptoms.

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

Serious eye damage/eye

irritation

Causes serious eye irritation.

**Sensitization** May cause an allergic skin reaction.

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or

potential carcinogens as listed by OSHA, IARC or NTP.

#### **Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

 Oral LD50
 29,000.00 mg/kg

 Dermal LD50
 3,000.00 mg/kg

# 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

Harmful to aquatic life with long lasting effects.

# **Component Information**

Chemical name	Algae/aquatic plants	Fish	Crustacea
Propylene carbonate	EC50: >500mg/L (72h,	LC50: >1000mg/L (96h, Cyprinus	EC50: >500mg/L (48h, Daphnia
108-32-7	Desmodesmus subspicatus)	carpio)	magna)

# Persistence/Degradability

Not determined.

#### **Bioaccumulation**

There is no data for this product.

#### **Mobility**

Chemical name	Partition coefficient		
Propylene carbonate	0.48		
108-32-7			

#### Other adverse effects

Not determined

# 13. DISPOSAL CONSIDERATIONS

# **Waste Treatment Methods**

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and

regulations.

# 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including

exemptions and special circumstances.

**DOT** Not regulated

<u>IATA</u> Not regulated

**IMDG** Not regulated

# **15. REGULATORY INFORMATION**

#### **International Inventories**

Chemical name	TS CA	TSCA Inventory Status	DSL/NDS L	EINECS/ ELINCS	ENCS	IECSC	KECL	PICCS	AIIC
1,1'-Methylenebis[(3-meth ylcyclohexyl-4)-2-amino-b utanedioic acid], tetraethyl ester	Х	ACTIVE	Х	Х		Х			Х
Tetraethyl N,N'-(methylenedicyclohe xane-4,1-diyl)bis-dl-aspar tate; (Aspartic Acid Ester)	Х	ACTIVE	Х	Х		Х			Х
Propylene carbonate	Х	ACTIVE	Х	Х	Х	Х	Х	Х	Х

#### 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

#### **US Federal Regulations**

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

# **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

# U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. OTHER INFORMATION						
<u>NFPA</u>	Health hazards -	Flammability -	Instability -	Special hazards		
<u>HMIS</u>	Health hazards -	Flammability -	Physical hazards -	Personal Protection Not determined		
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#### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**