

Safety Data Sheet

Prepared in accordance with GHS standard
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II

Revision date: June-2019

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Section 1: Identification

Product Identifier (Name) Adi-Con SER

Relevant identified uses of the chemical and restriction on use

The "Relevant" use identified is provided solely to conform to Governmental requirements, and is not included in the manufacturer's published data and specifications. The complete information on identified uses is not available now, and the Safety Data Sheet ("SDS") will be updated, as it becomes available.

Details of the supplier of the safety data sheet

Manufacturer Gemite Products Inc.
1787 Drew Road, Mississauga, Ontario, L5S 1J5, Canada
Telephone (905) 672-2020
Emergency telephone number 905 672 2020
Other means of identification
Chemical family Cement Finishing Aid

Section 2: Hazard(s) identification

- The hazard classification of the chemical (e.g., flammable liquid, category): **Not applicable**
- Signal word: **Not applicable**
- Hazard statement(s): **Not applicable**
- Pictograms (the pictograms or hazard symbols may be presented as graphical reproductions of the symbols in black and white or be a description of the name of the symbol (e.g., skull and crossbones, flame): **Not applicable**
- Precautionary statement(s): **Not applicable**
- Description of any hazards not otherwise classified: **None known**
- For a mixture that contains an ingredient(s) with unknown toxicity, a statement describing how much (percentage) of the mixture consists of ingredient(s) with unknown acute toxicity. Please note that this is a total percentage of the mixture and not tied to the individual ingredient(s): **Not applicable Hazardous ingredients**

EMERGENCY OVERVIEW: This product has been evaluated and does not require a hazard warning on the label under OSHA criteria. It is an article and, as such, is excluded per 29 CFR 1910.1200(b)(6)(v) of the OSHA Hazard Communication Standard.

Section 3: Composition/information on ingredients

Chemical Identity	CAS number	Content in percent (%)*
Stearic Acid	57-11-4	0.1- <1%
Morpholine	110-91-8	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume

Impurities and stabilizing additives which are classified and which contribute to the classification of the chemical: **None**
The chemical name and concentration (i.e., exact percentage) of all ingredients which are classified as health hazards and are present above their cut-off/concentration limits or present a health risk below the cut-off/concentration limits: **None**

All other ingredients are non-hazardous within the current knowledge of the supplier and in the concentrations applicable.

Section 4: First-aid measures

Description of First Aid measures

General advice

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First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled

In the case of respiratory irritation, move to fresh air; consult a physician if symptoms persist.

If on skin

In the case of skin irritation, wash off with soap and water; consult a physician if symptoms persist.

If in eyes

Remove contact lenses if present, and flush eyes with water for at least 15 minutes; consult a physician if symptoms persist.

If swallowed

Call a Poison Center/doctor if you feel unwell. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Inhalation: May cause respiratory irritation.

Skin contact: May cause mechanical irritation.

Eye contact: May cause eye irritation.

Ingestion: Unknown

Recommendations for immediate medical care and special treatment needed, when necessary: Get medical attention if symptoms occur.

Section 5: Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: No data available.

Methods and material for containment and cleaning up: Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Notification Procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

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Section 7: Handling and Storage

Precautions for safe handling: Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Store away from incompatible materials. Store in original tightly closed container.

Section 8: Exposure controls/personal protection

Control Parameters

Chemical Identity	Type	Exposure Limit Values	Source
Stearic acid - Respirable fraction.	TWA	3 mg/m ³	US. ACGIH Threshold Limit Values (03 2017)
Stearic acid - Inhalable fraction.	TWA	10 mg/m ³	US. ACGIH Threshold Limit Values (03 2017)
Morpholine	TWA	20 ppm	US. ACGIH Threshold Limit Values (2011)
Stearic acid	TWA	10 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Stearic acid	TWA	10 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Morpholine	TWA	20 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Morpholine	TWA	20 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Morpholine	TWA	20 ppm 71 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Triethanolamine	TWA	5 mg/m ³	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)
Triethanolamine	TWA	5 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)

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Triethanolamine	TWA	0.5 ppm 3.1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Triethanolamine	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)

* None of the components have assigned exposure limits

Appropriate Engineering Controls Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required.

Eye/face protection: Wear goggles/face shield.

Skin Protection

Hand Protection: Use suitable protective gloves if risk of skin contact.

Other: No data available.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures: Observe good industrial hygiene practices.

Section 9: Physical and chemical properties

Appearance

Physical state: liquid

Form: liquid

Color: Pink

Odor: Mild

Odor threshold: No data available.

pH: 7 - 9

Melting point/freezing point: No data available.

Initial boiling point and boiling range: No data available.

Flash Point: > 121 °C > 250 °F

Evaporation rate: Slower than Ether

Flammability (solid, gas): No

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%): No data available.

Flammability limit - lower (%): No data available.

Explosive limit - upper (%): No data available.

Explosive limit - lower (%): No data available.

Vapor pressure: No data available.

Vapor density: Vapors are heavier than air and may travel along the floor and in the bottom of containers.

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Relative density:	1
Solubility(ies)	
Solubility in water:	Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

Section 10: Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Strong acids. Strong bases.
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

Section 11: Toxicological information

Information on likely routes of exposure

Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	Causes mild skin irritation.
Eye contact:	Eye contact is possible and should be avoided.
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

Stearic acid LD 50 (Rat): > 2,000 mg/kg

Morpholine LD 50 (Rat): 1,900 mg/kg

Dermal

Product: ATEmix: 296,559.91 mg/kg

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Inhalation

Product: Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

Stearic acid in vivo (Rabbit): Not irritant Experimental result, Key study

Morpholine in vivo (Rabbit): Corrosive Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Stearic acid Rabbit, 27 - 72 hrs: Not irritating

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Other effects: No data available

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OTHER TOXICITY DATA: Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

Section 12: Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Morpholine LC 50 (Bluegill (*Lepomis macrochirus*), 96 h): 350 mg/l Mortality

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Morpholine LC 50 (Water flea (*Daphnia magna*), 24 h): 100 mg/l Mortality

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Specified substance(s):

Stearic acid Log Kow: 8.23

Mobility in soil: No data available.

Other adverse effects: No data available.

Section 13: Disposal considerations

- Description of appropriate disposal containers to use: **Standard disposal containers are acceptable.**
- Recommendations of appropriate disposal methods to employ: **Dispose of in accordance with governmental regulations for non-hazardous solid waste.**

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- Description of the physical and chemical properties that may affect disposal activities: **None known**
- Language discouraging sewage disposal: **Disposable via septic or sewage systems is not recommended.**
- Any special precautions for landfills or incineration activities: **None known**
- **Recycling of packaging materials is encouraged where possible**

Section 14: Transport Information (non-mandatory) Section 14: Transport information

- UN number (i.e., four-figure identification number of the substance): **None**
- UN proper shipping name: **Not applicable**
- Transport hazard class(es): **Not applicable**
- Packing group number, if applicable, based on the degree of hazard: **Not applicable**
- Environmental hazards (e.g., identify if it is a marine pollutant according to the International Maritime Dangerous Goods Code (IMDG Code)): **None known**
- Guidance on transport in bulk (according to Annex II of MARPOL 73/78 and the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code (IBC Code))): **Not applicable**

Section 15: Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Morpholine	100 lbs.
Morpholine, 4-methyl-	100 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Not classified

Not classified

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Morpholine	100 lbs.
Xanthylum	
Morpholine, 4-methyl-	100 lbs.

SARA 311/312 Hazardous Chemical

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
Stearic acid	10000 lbs
Morpholine	10000 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) **None present or none present in regulated quantities.**

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

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US. New Jersey Worker and Community Right-to-Know Act
No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List
No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances
No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK
No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

VOC:

Regulatory VOC (less water and exempt solvent) : 88 g/l

VOC Method 310 : 0.19 %

Section 16: Other information

HMIS Classification

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- Signal word: **Not applicable**
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Caution: HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

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