



Safety Data Sheet

SUNNY DRY® ACRYLIC BONDING ADDITIVE

Version number: REV. 2.0

Date: 28MAY2020

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Sulfamic Acid
PRODUCT STOCK NO.: D355 - quart; D356 - gallon
RECOMMENDED USE: Additive to cementitious or plaster mixes for better adhesion for repair/resurface or coating of concrete, masonry, stone, stucco or brick.

SUPPLIER OF SAFETY DATA SHEET: Wall Firma, Inc.
 733 East Main St Monongahela, PA 15063 United States
 Email: customerservice@wallfirma.com
 Website: http://www.wallfirma.com

EMERGENCY TELEPHONE NO.: 1-800-424-9300 Chemtrec (North America)
 Available only Mon-Fri 08:00AM-05:00PM Eastern

TECHNICAL SUPPORT NO.: Telephone: +1 (724) 258-7175
 Fax: +1 (724) 258-3188

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the mixture: Classification according to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)
 No need for classification according to GHS criteria for this product.

Label Element:

H-Code
 H317
 H412

Hazard Statements
 May cause an allergic skin reaction.
 Harmful to aquatic life with long lasting effects.

Labeling according to OSHA "Hazard Communication Standard" (29 CFR 1900.1200) Pictogram(s):



Signal Word

Warning

P-Code	Precautionary Statements
P280	Wear protective gloves/protective clothing/eye protection.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention..
P501	Dispose of contents/container to waste disposal.

Hazard ingredients (labelling): Chloro-methyl-isothiazolin-one and methyl-isothiazolin-one (3:1 mix)

Other hazards: No data available.

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

Substances: Not applicable

Mixtures: Not applicable
Chemical characteristics Copolymer of: vinyl acetate + ethylene (dispersion in water)
Hazardous ingredients

Type	CAS No.	Substance	Content %
INHA	55965-84-9	Chloro-methyl-isothiazolin-one and methyl-isothiazolin-one (3:1 mix)	<0.01
INHA	13590-97-1	Dodecylguanidine hydrochloride	<0.02



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Type: INHA: ingredient, VERU: impurity

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above $\geq 0.1\%$.

This material does not contain any ingredients above the permitted limit(s): Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens/ Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non carcinogenic HAPS or they are inextricably bound in the product. Specific chemical identities and/or exact percentage (concentration) of the composition may have been withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

General Information: Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

After inhalation: If inhaled as aerosol, remove to fresh air. No special treatment required.

After contact with the skin: If contact with skin, immediately flush skin with plenty of water for at least 15 min. Wash with soap and water.

After contact with the eyes: If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

After swallowing: For ingestion, if conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability Properties

Property	Value
Flash point	not applicable
Boiling point/ boiling range	approx. 100 °C (212 °F) at 1013 hPa
Lower explosion limit (LEL)	not applicable
Ignition temperature	applicable

Fire and explosion hazards:

Dried up material is combustible. This material does not present any unusual fire or explosion hazards.

Recommended extinguishing media:

Use extinguishing measures appropriate to the source of fire. Water may be used to cool tanks and structures adjacent

Unsuitable extinguishing media:

not applicable

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

not applicable

Fire fighting procedures:

Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Precautions:

Wear personal protection equipment (see section 8). If material is released indicate risk of slipping.

HAZWOPER PPE Level: C

Containment:

Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth). Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll-free phone number (800) 424-8802.

Methods for cleaning up

Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean up with plenty of water. Dispose of cleansing water in accordance with local/state/federal regulations.



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SECTION 7 - HANDLING AND STORAGE

General information: Avoid exposure by technical measures or personal protective equipment.

Handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not swallow. Do not get in eyes or on skin or clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. If this material is part of a multiple component system, read the Material Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

Storage:

Conditions for storage rooms and vessels:	Protect against frost.
Advice for storage of incompatible materials:	not applicable
Further information for storage:	not applicable

Minimum temperature allowed during storage and transportation: 0 OC (32 °F)

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls

Ventilation: Use with adequate ventilation.

Local exhaust: not necessary

Associate substances with specific control parameters such as limit values none known

Personal protection equipment (PPE)

Respiratory protection:	not necessary
Hand protection:	rubber gloves
Eye protection:	chemical safety goggles

Other protective clothing or equipment: protective clothing to cover exposed areas of arms, legs and torso

General hygiene and protection measures: Avoid contact with eyes, skin and clothing. Do not eat or drink when handling. Wash thoroughly after handling.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state / form	liquid/color - white
Odor	weak

Safety parameters

Property:	Value:
Melting point/ melting range	approximately 0 OC (32 °F)
Boiling point/ boiling range	100 OC (212 °F) at 1013 hPa
Flash point	not applicable
Ignition temperature	not applicable
Lower explosion limit (LEL)	not applicable
Vapor pressure	23 hPa / 20 OC (68 °F)
Density	1.05 g/cm3
Water solubility/miscibility	moderately soluble
pH Value	4.0 – 5.0 range
Viscosity (dynamic)	1800 - 2700 mPa (Brookfield Method)

Further information

Odor limit	no data available
voe	2.95 g/L



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SECTION 10 - STABILITY AND REACTIVITY

General information: If stored and handled in accordance with standard industrial practices no hazardous reactions are known.
Conditions to avoid none known
Materials to avoid none known
Hazardous decomposition If stored and handled properly, none known. At increased temperature: acetic acid.
Further information Hazardous polymerization cannot occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity

Assessment: Based on the available data a clinically relevant skin irritation hazard is not expected.

Product details

Route of exposure	Result/Effect	Species/Test system	Source
oral	LD50: > 2000 mg/kg	Rat	Conclusion by analogy OECD 423

Skin corrosion/irritation

Assessment: Based on the available data a clinically relevant skin irritation hazard is not expected.

Product details

Result/Effect	Species/Test system	Source
not irritating	Rabbit	Conclusion by analogy OECD 404

Serious eye damage/eye irritation

Assessment: Based on the available data a clinically relevant eye irritation hazard is not expected.

Product details

Result/Effect	Species/Test system	Source
not irritating	Rabbit	Conclusion by analogy OECD 405

Respiratory or skin sensitivity

Assessment: For this endpoint no toxicological test data is available for the whole product.

Germ cell mutagenicity

Assessment: Based on known data a significant mutagenic potential may be excluded.

Product details

Result/Effect	Species/Test system	Source
negative	mutation assay (in vitro) bacterial cells	Conclusion by analogy OECD 471

Carcinogenicity

Assessment: For this endpoint no toxicological test data is available for the whole product.

Reproductive toxicity

Assessment: For this endpoint no toxicological test data is available for the whole product.

Specific target organ toxicity (single exposure)

Assessment: For this endpoint no toxicological test data is available for the whole product.

Specific target organ toxicity (repeated exposure)

Assessment: For this endpoint no toxicological test data is available for the whole product.

Aspiration hazard Assessment

Assessment: Based on the physical-chemical properties of the product no aspiration hazard must be expected.

Further toxicological information

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Other information: Contains < 0.1% of a substance for which studies indicate a low sensitization threshold in humans.



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SECTION 12 - ECOLOGICAL INFORMATION

Toxicity

Assessment: No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

Product Detail

Result/Effect	Species/Test system	Source
LC50: > 100 mg/l	rainbow trout (<i>Oncorhynchus mykiss</i>) (96 h)	Conclusion by analogy OECD 203
EC50 : > 1000 mg/l	Daphnia magna (48 h)	Conclusion by analogy OECD 202
EC10: > 1000 mg/l	sludge (0.5 h)	Conclusion by analogy

Persistence and degradability

Assessment: Polymer component: Not readily biodegradable. Elimination by adsorption to activated sludge. Separation by flocculation is possible.

Bio-accumulative potential

Assessment: No adverse effects expected.

Mobility in soil

Assessment: No adverse effects expected.

Other adverse effects

none known

Additional information

The ecotoxicological results provided were obtained from tests with similar products

SECTION 13 - DISPOSAL CONSIDERATIONS

Product disposal

Recommendation: Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

Packaging disposal

Recommendation: Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.
Recommended cleaning agent: water

SECTION 14 - TRANSPORT INFORMATION

US DOT & CANADA TDG SURFACE

Valuation Not regulated for transport
Other Information Protect from freezing, when exposed to cold temperatures, approaching 0 °C (32 °F) or below.

Transport by sea IMDG-Code

Valuation Not regulated for transport

Air transport ICAO-TIIATA

Valuation Not regulated for transport

Environmental hazards

Hazardous to the environment: no

Special precautions for user

Relevant info in other sections

Transport in bulk according to Annex II of MARPOL/IBC Code

Bulk transport in tankers not intended

SECTION 15 - REGULATORY INFORMATION

U.S. Federal regulations

TSCA inventory status and TSCA information:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification:

This material does not contain reportable amounts of any TSCA 12(b) listed chemicals.

CERCLA Regulated Chemicals:

This material does not contain any CERCLA regulated chemicals.



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SARA 302 EHS Chemicals:

This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class:

This product does not present any SARA 311/312 hazards.

SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above are minimum levels.

HAPS (Hazardous Air Pollutants)-

GAS No.	Chemical	Upper limit wt. %
67-56-1	Methanol	<=0.0079
50-00-0	Formaldehyde	<=0.0139
75-07-0	Acetaldehyde	<=0.0019
123-91-1	1,4-Dioxane	<=0.0001

U.S. State regulations

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

California Proposition 65 Carcinogens:

50-00-0 Formaldehyde
 75-07-0 Acetaldehyde
 123-91-1 1,4-Dioxane

California Proposition 65 Reproductive Toxins:

67-56-1 Methanol

Massachusetts Substance List:

This material contains no listed components.

New Jersey Right-to-Know Hazardous Substance List:

This material contains no listed components.

Pennsylvania Right-to-Know Hazardous Substance List:

This material contains no listed components.

Details of international registration status

Relevant information about individual substance inventories, where available, is provided below.

South Korea (Republic of Korea)	ECL (Existing Chemicals List): This product is listed in, or complies with the substance inventory.
Japan	ENCS (Handbook of Existing and New Chemical Substances): This product is listed in, or complies with the substance inventory.
Australia	AICS (Australian Inventory of Chemical Substances): This product is listed in, or complies with the substance inventory.
People's Republic of China	IECSC (Inventory of Existing Chemical Substances in China): This product is listed in, or complies with the substance inventory.
Canada	DSL (Domestic Substance List): This product is listed in, or complies with the substance inventory.
Philippines	PICCS (Philippine Inventory of Chemicals and Chemical Substances): This product is not listed or in compliance with the substance inventory.
United States of America (USA)	TSCA Toxic Substance Control Act Chemical Substance Inventory): All components of this product are listed as active or are in compliance with the substance inventory.
Taiwan (Republic of China)	TCSI (Taiwan Chemical Substance Inventory): This product is not listed or in compliance with the substance inventory.
European Economic Area (EEA)	REACH (Regulation (EC) No 1907/2006): General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.



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SECTION 16 - OTHER INFORMATION, including date of preparation or last revision

Additional information:

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe on valid patents or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used. Vertical lines in the left-hand margin indicate changes compared with the previous version.

Glossary of Terms:

ACGIH - American Conference of Governmental Industrial Hygienists

DOT - Department of Transportation

hPa – Hectopascals

mPa*s - Milli Pascal-Seconds

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

ppm-Parts per Million

SARA - Superfund Amendments & Reauthorization Act

STEL - Short Term Exposure Limit

TSCA - Toxic Substances Control Act

TWA - Time Weighted Average

WHMIS - Canadian Workplace Hazardous Materials Identification System

Flash point determination methods

STM D56

ASTM D92, DIN 51376, ISO 2592

ASTM D93, DIN 51758, ISO 2719

ASTM D3278, DIN 55680, ISO 3679

DIN 51755

Common name

Tagliabue (Tag) closed cup

Cleveland open cup

Pensky-Martens closed cup

Setaflash or Rapid closed cup

Abel-Pensky closed cup

Conversion table:

Pressure

1 hPa * 0.75 = 1 mm Hg= 1 torr; 1 bar= 1000 hPa

Viscosity

1 mPa*s = 1 centipoise (cP)E

Date of previous issue: 5/18/2015.

Organization that prepared the SDS: Wall Firma, Inc.

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by Wall Firma, Inc., and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

End of Safety Data Sheet