Safety Data Sheet

Complies with OSHA CFR 1910.1200

DAMTITE® Waterproofing SuperPatch Concrete Patch

Version: 2.0 English Compilation Date:2020 MAY 28

1. IDENTIFICATION

Product identifier used on the labels:

DAMTITE Product Name & Stock Number:

7lb Pail SuperPatch, Off-White or Concrete colors	**04071/04072**
15lb Pail SuperPatch, Off-White or Concrete colors	**04151/04152**
70lb Pail SuperPatch, Off-White or Concrete colors	**04701/04702**

Recommended use of the chemical and restriction on use*

Two-component (powder + liquid in container), Portland cement-based, aggregated product for thin repair or resurface of general concrete or masonry construction with waterproofing properties. Acrylic Bonding Liquid is binder additive for best adhesion and strength of cementitious materials.

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
WALL FIRMA, INC.
733 E. MAIN STREET
MONONGAHELA, PA 15063 USA
Telephone: 724.258.7175
info@damtitewaterproofing.com

Emergency telephone number

Chemtrec (North America): 1-800-424-9300
Available Mon-Fri 08:00AM-05:00PM ET USA

Technical Support Telephone: +1 724-258-7175

Other means of identification

Chemical family: No data available

This product contains two components included in pail.
Part A: powder and Part B: liquid additive, to be mixed together.
Do not add water.

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Part A: Powder Component

2. HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

2.1 Classification of the product

Carcinogenicity:	Category 1A
Skin Corrosion	Category 1B
Skin Sensitization	Category 1B
Specific Target Organ Toxicity: Repeat Exposure	Category 1
Specific Target Organ Toxicity: Single Exposure	Category 3

2.2a Signal Word: DANGER!

2.2b Hazard Statements

May cause cancer through chronic inhalation
Causes severe skin burns and serious eye damage
May cause an allergic skin reaction
Causes damage to lungs through prolonged and repeated inhalation
May cause respiratory irritation

2.2c Pictograms/Label elements

2.2d Precautionary Statements:

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H350	May cause cancer.
H372	Causes damage to organs (lung) thru prolonged or repeated exposure

Precautionary Statements (Prevention):

P280	Wear protective gloves & clothing & eye/face protection
P271	Use only outdoors or in a well-ventilated area.
P260	Do not breathe dust/gas/mist/vapors.
P202	Do not handle until all safety precautions read and understood.
P270	Do not eat, drink or smoke when using this product.
P264	Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and not difficult to remove. Keep rinsing eye.
P310	Immediately call a POISON CENTER or doctor/physician.
P304 + P340	IF INHALED: Remove person to fresh air & keep comfortable
P303 + P352	IF ON SKIN (or hair): Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash before reuse.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Precautionary Statements (Disposal):

P50	Dispose of contents/container to hazardous or special waste collection point.

2.3a Hazards not otherwise classified: Not applicable

2.3b Unknown Acute Toxicity: None

3. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Hazardous Components	CAS No.	% by Weight
Sand, Silica, Quartz	14808-60-7	40-70*
Portland Cement	65997-15-1	10-30*

*The concentrations ranges are provided due to batch-to-batch variability and proprietary information.

None of the constituents of this material are of unknown toxicity.

4. FIRST-AID MEASURES

4.1 Description of first aid measures

General advice:
First aid personnel should pay attention to their own safety. Remove contaminated clothing.
If inhaled:
After inhalation of dust, keep patient calm, remove to fresh air. If difficulties occur: obtain medical attention.
If on skin:
After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.
If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
If swallowed:
Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11.
Hazards: No applicable information available.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. FIRE-FIGHTING MEASURES

5.1 Flammability of product: Non-flammable and non-combustible
5.2 Suitable extinguishing media: foam, water spray, dry powder, carbon dioxide. Treat for surrounding material
5.3 Special hazards arising from the substance or mixture: None
5.3a Products of combustion: None
5.3b Explosion hazards in presence of various substances: Non-explosive in presence of shocks

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Avoid contact with skin and eyes. Wear personal protective clothing (see Section 8). Handle in accordance with good building materials hygiene and safety practice. Keep unprotected persons away from contact.

6.2 Methods and material for containment and cleaning up:

Do not permit to enter sewer or surface or ground water. Pick up with suitable appliance and dispose of in accordance with all regulations. For larger quantities, pack in tightly closed containers for disposal. For residue: Rinse with plenty of

water. Avoid raising dust into air.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Cement contained in this product reacts alkaline when in contact with water or humidity. Ensure good ventilation and exhaust system at workplace. DO NOT BREATHE DUST. Prolonged direct contact to the dry product should be avoided. Avoid skin contact or eye contact. Pour downwind and allow as little free fall as possible while emptying bags into equipment. In dusty environments, use OSHA, MSHA or NIOSH-approved respirator and tight-fitting googles and appropriate PPE (See Section 8). Prevent dust accumulation through good housekeeping. Do not mix with other chemical products, except as recommended by manufacturer.

7.2 Storage:

Requirements to be met by storerooms and receptacles: No special requirements
Information about storage in one common storage facility: Not required
Further information about storage conditions: Keep out of the reach of children. Keep container tightly closed in a dry place and prevent exposure to humidity. Do not permit product to have contact with water util time of use.

8. EXPOSURE CONTROL MEASURES / PERSONAL PROTECTION

8.1 Components with limit values that require monitoring at the workplace:

Hazardous Component	CAS No.	Information
Silica Sand, crystalline	14808-60-7	OSHA PEL: TWA value 2.4 millions of particles per cubic foot of air. Respirable; The exposure limit is calculated from the equation, 250/(%SiO2+5), using a value of 100% SiO^2. Lower percentages of SiO^2 will yield higher exposure limits. TWA value 0.1 mg/m3 Respirable ; The exposure limit is calculated from the equation, 10/(%SiO^2+2), using a value of 100% SiO^2. Lower percentages of SiO^2 will yield higher exposure limits. TWA value 0.3 mg/m^3 Total dust ; The exposure limit is calculated from the equation, 30/(%SiO^2+2), using a value of 100% SiO^2. Lower percentages of SiO^2 will yield higher exposure limits. ACGIH TLV: TWA value 0.025 mg/m^3 Respirable fraction
Cement, Portland	65997-15-1	OSHA PEL: PEL15 mg/m^3 Total dust; PEL 5 mg/m^3 Respirable fraction ACGIH TLV: TWA value 1 mg/m^3 Respirable fraction ;

8.2 Exposure controls:

Use adequate ventilation to keep exposures below recommended exposure limits

8.3 General protective and hygienic measures:

Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts. In order to prevent contamination while handling, wear full body work clothes and work gloves. Handle in accordance with good building materials hygiene and safety practice. After handling product and at end of work, wash hands and/or face, clean skin, and if needed, apply skin-care agents. Gloves must be inspected regularly and prior to each use, and replaced if necessary (e.g. pinhole leaks). Contaminated equipment or clothing should be cleaned after each use or disposed. Keep away from food and drinks. When using, do not eat, drink or smoke.

8.3a Personal protective equipment:

Hand and feet protection:
Use chemical-resistant protective gloves, of nitrile, butyl or pvc material, of adequate length to protect skin from splashes. Protect from skin contact. Wear rubber boots when stepping into concrete. Portland cement may cause dermatitis or sensitization.

Eye protection:
Wear approved eye protection of properly-fitted dust-proof/splash-proof chemical safety goggles.

Body protection:
Body protection must be chosen based on level of activity and exposure.

Respiratory protection:
NIOSH-approved dusk mask or filtering face piece is recommended, especially for poorly ventilated areas or areas where permissible exposure limits may be exceeded. Respirators should be selected and used under direction of a trained health & safety professional, following requirements found in OSHAs respirator standard (29 CFR 1910.134) and ANSI standard for respiratory protection (Z88.2)

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Granular powder
Odor:	earthy
Odor threshold:	Not determined
Color:	Gray
pH value:	approx. 13 (approx. 20 °C) as aqueous suspensions
Melting temperature:	not applicable
Boiling temperature:	not applicable
Sublimation point:	no applicable information available.
Flash point:	the substance/product is non-combustible
Flammability:	Not flammable
Lower explosion limit:	Not applicable
Relative density:	2.6 – 3.15 (at 25 degrees C)
Bulk density:	1800 – 2400 kg/m^3
Vapor density:	No applicable information available.
Thermal decomposition:	No decomposition if stored and handled as prescribed & indicated.
Viscosity, dynamic:	No applicable information available
Viscosity, kinematic:	No applicable information available.
Solubility in water:	Insoluble
Miscibility with water:	Insoluble

10. STABILITY AND REACTIVITY

10.1 Reactivity
No dangerous or hazardous reactions known under conditions of normal use.

10.2 Chemical stability
The product is stable if stored and handled as prescribed/indicated. Store in dry location.

10.3 Possibility of hazardous reactions
No dangerous or hazardous reactions known under conditions of normal use.

10.4 Thermal decomposition / Conditions to avoid
No decomposition if used according to specifications. Avoid dust formation. Avoid humidity.

10.5 Incompatible materials
Contact of silica with powerful oxidizing agents, including fluorine, chlorine trifluoride, manganese trioxide or oxygen difluoride may cause fires.

10.6 Hazardous decomposition or by-products
No hazardous decomposition products if stored and handled as prescribed/indicated. Silica will dissolve in hydrofluoric acid and produce a corrosive gas, silicon tetra-fluoride.

11. TOXICOLOGICAL INFORMATION

11.1 Primary routes of exposure:
Eye contact, skin contact, skin absorption, inhalation or ingestion.

11.2 Symptoms related to physical/chemical/toxicological characteristics

Inhalation: May cause respiratory tract irritation. Prolonged or repeated exposure may cause damage to organs. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica can cause silicosis.

Skin contact: May cause skin irritation. Contact may cause dry skin, discomfort, irritation, dermatitis or sensitization. Product becomes extremely alkaline when exposed to moisture and may cause alkali burns or affect the mucous membranes.

Eye contact: May cause serious eye damage. Symptoms may include discomfort or pain, excess blinking or tearing with redness and swelling of the conjunctiva.

Ingestion: Harmful if swallowed. Ingestion may cause discomfort, and/or distress, nausea or vomiting.

11.3 Delayed, immediate and chronic effects of short-term and long-term exposure

Short Term:

Skin corrosion/irritation:	May cause severe skin burns
Serious eye damage/irritation:	May cause serious eye damage
Respiratory sensitization:	Data not available
Skin sensitization:	May cause an allergic skin reaction
Specific target organ toxicity -single exposure:	May cause respiratory irritation (Category 3)
Aspiration hazard:	Data not available

Long Term:

Carcinogenicity:	Crystalline silica in this product may cause cancer with chronic inhalation
Germ cell mutagenicity:	Data not available
Reproductive toxicity:	Data not available
Specific target organ toxicity-repeated exposure:	May cause damage to lungs through prolonged/repeated exposure (Category 1)
Synergistical/antagonistic effects:	Data not available

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

May cause long-term adverse effects to aquatic environment. Do not permit undiluted product to reach ground water, water course, sewage system or drainage ditch.

12.2 Persistence and degradability

No further relevant information is available

12.3 Bio-accumulative potential:

No further relevant information is available

12.4 Mobility in soil

No further relevant information is available

12.5 Other adverse effects:

No further relevant information is available

13. DISPOSAL CONSIDERATIONS

13.1 Waste disposal method:

The packaging and material may be sent to landfill, but the material should be covered to minimize airborne dust. This product is not classified as hazardous waste under RCRA or CERCLA. Dispose of product and packaging in accordance with local, state and federal regulations. Do not discharge into drains, surface or ground water.

13.2 Other disposal considerations:

Packaging, emptied and cleaned, can be recycled in accordance with local, state and federal regulations. Water may be used as cleaning agent for container if needed.

14. TRANSPORT INFORMATION

USA DOT & Canada TDG

Land transport	Not regulated
Sea transport	Not regulated
Air transport	Not regulated

14.1 Environmental hazards: Not available

14.2 Transport in bulk according to Annex II of Marpol 73/79 & IBC Code: Not available

14.3 Special precautions for users:
Do not handle until all safety precautions have been read and understood.

15. OTHER REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislations specific for the chemical

Canada

WHMIS Classification: Considered to be a hazardous material under the Hazardous Products Act (HPA), as defined by the Controlled Products Regulations (CPR) and subject to the requirements of Health Canada Workplace Hazardous Material Information (WHMIS). This document complies with WHMIS requirements of the HPA and CPR.

15.2 US Federal information:

SARA302/311/312/313 components: No chemicals in this product are subject to the reporting requirements

RCRA: Crystalline silica quartz is not classified as a hazardous waste

CERCLA: Crystalline silica quartz is not classified as a hazardous waste

Emergency Planning and Community Right to Know Act (SARA Title III):
Crystalline silica quartz is not an extremely hazardous substance under Section 302 and is not a toxic chemical subject to the requirements of Section 313.

FDA: Silica is included in the list of substances that may be included I coatings used in the food contact surfaces, 21 CFR 175.300(b)(3)(xxvi).

NTP: Respirable crystalline silica, primary quartz dusts occurring in industrial and occupational workplaces, is classified as Known to be a Human Carcinogen.

OSHA Carcinogen: Crystalline silica quartz is not listed.

15.3 State Right to Know Laws:

California Prop. 65 Components:

Warning: This product can expose user to crystalline silica, which is known to the state of California to cause ɛr and to PoPortland cement which is known to the state of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warning.ca.gov

California Inhalation Reference Exposure level (REL): California established a chronic REL of 3 ug or silica (crystalline, respirable). A chronic REL is an airborne level at or below which no adverse health effects are Anticipated in individuals indefinitely exposed to the substance at that level.

Massachusetts Toxic Use Reduction Act: Silica, crystalline (respirable size <10 microns) is “toxic” per this act.

15.4 Global Inventories:

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DSL: All components of this product are on the Canadian DSL list.
TSCA No.: Crystalline silica (quartz) is on the EPA TSCA inventory under CAS Number 14808-60-7. All ingredients are listed on the TSCA inventory.

Part B: Liquid Acrylic Bonding Agent component

2.0 HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

2.1 Classification of the substance:

Hazard class	Hazard category	Route of exposure	H-Code
Long-term (chronic) aquatic hazard	Category 3		H412
Skin sensitisation	Category 1		H317

2.2 Label Element:

Pictogram(s): 

Signal Word: Warning

H-Code	Hazard Statements
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

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 (labeling):
Chloro-methyl-isothiazolin-one and methyl-isothiazolin-one (3:1 mix)

2.3 Other hazards

No data available

3: COMPOSITION and INFORMATION ON INGREDIENTS

3.1 Substances

not applicable

3.2 Mixtures

3.2.1 Chemical characteristics

Copolymer of: vinyl acetate + ethylene (dispersion in water)

3.2.2 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

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 ≥ 0.1%.

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4: FIRST AID MEASURES

4.1 Description of first aid measures:

Take persons to a safe place. Observe self-protection for first aid. In the event of allergic reactions, particularly those affecting the respiratory system, seek immediate medical advice.

After inhalation

Keep the patient calm. If unconscious place in stable sideways position. Protect against loss of body heat. If breathing stops, administer artificial respiration. Seek medical advice and clearly identify substance

After contact with the skin

Remove contaminated or soaked clothing. Wash off with plenty of water or water and soap immediately for 10-15 minutes. In serious cases, use emergency shower immediately. Seek medical advice and clearly identify substance.

After contact with the eyes

Rinse immediately with plenty of water for 10-15 minutes. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Seek medical advice and clearly identify substance

After swallowing

If conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical advice and identify substance.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Indication of any immediate medical attention and special treatment needed

Product can lead to sensitisation and can trigger allergies. After inhalation: treat as early as possible using cortisone spray. Further toxicology information in section 11 must be observed.

5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:
not applicable.

Extinguishing media which must not be used for safety reasons:
not applicable.

5.2 Special hazards arising from the substance or mixture

At low oxygen level: acetic acid.

5.3 Advice for firefighters

Special protective equipment for fire-fighting:
Use respiratory protection independent of recirculated air.

General information:
Product does not burn. Dried up material is combustible.

6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth).

6.3 Methods and material for containment and 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.

6.4 Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

7: HANDLING and STORAGE

7.1 Precautions for safe handling

General information:

Avoid exposure by technical measures or personal protective equipment.

Precautions for safe handling:
Spilled substance increases risk of slipping.

Precautions against fire and explosion:
No special precautions against fire and explosion required.

7.2 Conditions for safe storage, including any incompatibilities:

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 °C

7.3 Specific end use(s)

No data available.

8: EXPOSURE CONTROLS and PERSONAL PROTECTION

8.1 Control parameters

Maximum airborne concentrations at the workplace:
Not applicable

8.2 Exposure controls

8.1.1 Exposure in the work place limited and controlled General protection and hygiene measures:

Do not eat, drink or smoke when handling. Avoid contact with skin.

Personal protection equipment:

Respiratory protection
No personal respiratory protective equipment normally required.

Eye protection

Protective goggles

Hand protection

Protective gloves are required at all times when handling the material, according to recognized standards (EN374).

Recommended glove types: Protective gloves made of nitrile rubber thickness of the material: > 0.3 mm
Breakthrough time: > 480 min

Recommended glove types: Protective gloves made of butyl rubber thickness of the material: > 0.3 mm
Breakthrough time: > 480 min

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

Skin protection

Wear suitable protective clothing and gloves.

8.1.2 Exposure to the environment limited and controlled

Prevent material from entering surface waters and soil.

8.2 Further information for system design and engineering measures

No special measures required.

9: PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Property:	Value:	Method:
Appearance		
Physical state	liquid	
Color	white	
Odor		
Odor	weak	
Odor limit		
Odor limit	no data available	
pH-Value		
pH-Value	4.0 – 5.0	(specific method)
Melting point/freezing point		
Melting point / melting range	0 °C at 1013 hPa	(Lit.)
Initial boiling point and boiling range		
Flash point		
Flash point	not applicable	
Evaporation rate		
Evaporation rate	no data available	
Upper/lower flammability or explosive limits		
Lower explosion limit (LEL)	not applicable	
Vapor pressure		
Vapor pressure	23 hPa / 20 °C	
Solubility(ies)		
Water solubility/miscibility	moderately soluble	
Vapor density		
Relative gas/vapor density	no data known.	
Relative Density		
Relative Density	1.05 (Water / 4 °C = 1.00)	(specific method)
Density	1.05 g/cm³	(specific method)
Partition coefficient: n-octanol/water		
Partition coefficient: n-octanol/water	no data known.	
Auto-ignition temperature		
Ignition temperature	not applicable	
Viscosity		
Viscosity (dynamic)	1800 - 2700 mPa.s	(Brookfield)
Molecular mass		
Molecular mass	not applicable	

9.2 Other information

No data available.

10: STABILITY and REACTIVITY

10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known. Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

If stored and handled properly: none known. Acetic acid at increased temperature.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Assessment:

Based on the available data acute toxic effects are not expected after single oral exposure.

Product details:

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

11.1.2 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

11.1.3 Serious eye damage/eye

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

11.1.4 Respiratory or skin sensitivity

Assessment:

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

11.1.5 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

11.1.6 Carcinogenicity

Assessment:

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

11.1.7 Reproductive toxicity

Assessment:

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

11.1.8 Specific target organ toxicity (single exposure)

Assessment:

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

11.1.9 Specific target organ toxicity (repeated exposure)

Assessment:

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

11.1.10 Aspiration hazard

Assessment:

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

11.1.11 Further toxicological information

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

12: ECOLOGICAL INFORMATION

12.1 Toxicity

Assessment:

Harmful effects to aquatic organisms cannot be excluded. According to current knowledge adverse effects on water purification plants are not expected.

Product details:

Result/Effect	Species/Test system	Source
EC10: > 1000 mg/l	sludge (0,5 std)	Conclusion by analogy

12.2 Persistence and degradability

Assessment:

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

12.3 Bio-accumulative potential

Assessment:

No adverse effects expected.

12.4 Mobility in soil

Assessment:

No adverse effects expected.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

None known

12.7 Additional information

According to present knowledge no adverse influence to environment expected.

13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

13.1.1 Material

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.

13.1.2 Uncleaned packaging

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

14: TRANSPORTATION INFORMATION

14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

Road ADR:
Valuation .....: Not regulated for transport

Railway RID:
Valuation .....: Not regulated for transport

Transport by sea IMDG-Code:
Valuation .....: Not regulated for transport

Air transport ICAO-TI/IATA-DGR:
Valuation .....: Not regulated for transport

14.5 Environmental hazards

Hazardous to the environment: no

14.6 Special precautions for user

Relevant information in other sections has to be considered.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Bulk transport in tankers is not intended.

15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

15.2 Details of international registration status

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

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.

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 in 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 ..... : **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.

South Korea (Republic of Korea) ..... : **AREC** (Act on Registration and Evaluation of Chemicals; “K-REACH”):

General note: in case of registration obligations for substances or polymers imported into Korea or manufactured within Korea these are fulfilled by the supplier mentioned in section 1. The registration obligations for substances or polymers imported into Korea by customers or other downstream users must be fulfilled by the latter.

16. Other Information

Date of previous issue: May 18, 2015.

Organization that prepared the SDS: Wall Firma, Inc.

Disclaimer

The details contained in this data sheet is based on state of our knowledge at time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

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.

We accept no responsibility and disclaim all liability for any harmful effects which may have been caused by exposure to silica contained in our products.

END OF SAFETY DATA SHEET