

Acid Lock®

SDS Revision Date (mm/dd/yyyy): 09/10/2026

Page 1 of 11

SAFETY DATA SHEET**SECTION 1. IDENTIFICATION**

Product identifier used on the label

: **Acid Lock®**

Other means of identification : 9900046, 12001, 12003, 15201, 15205

Shaker Top Bottle

5 oz, 15 oz

Recommended use of the chemical and restrictions on use

: fluid control solidifier

Restriction on use: None known

Chemical family

: Mixture.

Name, address, and telephone number
of the supplier:**Safetec of America, Inc.**887 Kensington Avenue
Buffalo, NY, USA
14215

Supplier's Telephone # : 716-895-1822

24 Hr. Emergency Tel # : 1-800-255-3924Name, address, and telephone number
of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION**Classification of the chemical**

Shaker Top Bottle with a polycrystalline powder. Odorless.

This mixture does not meet the classification criteria according to OSHA HazCom.

The classification below is provided for informational purposes only.

Classification:

Skin Irritation – Non-irritant in reported human/rabbit testing.

Serious eye damage/eye irritation – None reported in rabbit testing.

Label elements

Hazard pictogram(s)

None

Signal Word

Warning!

Hazard statement(s)

Maybe harmful if swallowed.

Harmful to aquatic life with long lasting effects.

Avoid release to the environment.

Acid Lock®

SDS Revision Date (mm/dd/yyyy): 09/10/2026

Page 2 of 11

SAFETY DATA SHEET*Precautionary statement(s)*

Wash hands thoroughly after handling.
Wear protective gloves and eye, face protection.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice.
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.

Other hazards

Dust may cause temporary mechanical irritation of the eyes, nose, and respiratory tract.

Wet material is slippery and may create a slip hazard.

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Superabsorbent Polymer	-	9033-79-8	45 - 65
Inorganic alkali salt	Sodium Citrate	6132-04-3	45 - 65

The remaining ingredients are either non-hazardous or are below reportable thresholds.

SECTION 4. FIRST-AID MEASURES**Description of first aid measures**

Ingestion : None required when used as intended. If swallowed, DO NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

Inhalation : None required when used as intended. If symptoms develop, move victim to fresh air. Get medical attention if symptoms persist.

Skin contact : None required when used as intended. If irritation or symptoms develop, seek medical attention.

Eye contact : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

: None expected, when used as intended.

Causes skin irritation. Symptoms may include redness, edema, drying defatting and cracking of the skin.

Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing media**

Suitable extinguishing media

: Water. Water spray. Dry chemicals. Foam. Carbon dioxide (CO2).

Acid Lock®

SDS Revision Date (mm/dd/yyyy): 09/10/2026

Page 3 of 11

SAFETY DATA SHEET

Unsuitable extinguishing media

- : Do not use water jet as extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture / Conditions of flammability

- : Burning may produce irritating, toxic and obnoxious fumes.

Flammability classification (OSHA 29 CFR 1910.106)

- : Not flammable.

Hazardous combustion products

- : Carbon oxides. Nitrogen oxides (NO_x).

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire-fighting procedures

- : Fight fires from a safe distance. Cool closed containers exposed to fire with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

Environmental precautions

- : Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

- : Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable contained for disposal. Is sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. After dust removal, flush contaminated area thoroughly with water.

Special spill response procedures

- : If a spill/release more than the EPA reportable quantity is made into the environment, immediately notify the National Response Center in the United States (phone: 1-800-424-8802).

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Avoid contact with eyes. Avoid dust formation. Use only with adequate ventilation. Wash thoroughly after handling.

Conditions for safe storage

Incompatible materials

- : Keep container tightly closed. Keep cool. Store away from incompatible materials.
- : Strong oxidizing agents. Acids.

Acid Lock®
 SDS Revision Date (mm/dd/yyyy): 09/10/2026

Page 4 of 11

SAFETY DATA SHEET

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Superabsorbent Polymer	N/Av	N/Av	N/Av	N/Av
Inorganic alkali salt	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

: Ensure adequate ventilation, especially in confined areas.

Respiratory protection

: Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits

Skin protection

: Chemical resistant gloves recommended.

Eye / face protection

: Wear safety glasses with side shields (or goggles), footwear, and protective clothing appropriate for the risk of exposure. Contact health or safety professional or manufacturer for specific information.

Other protective equipment

 : Wear chemical-resistant gloves,

General hygiene considerations

: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

 : Solid - granular powder

Color

 : off-white

Odor

 : Odorless.

Odor threshold

 : Not available.

pH

 : Not available.

Melting Point/Freezing point

 : Not available.

Initial boiling point and boiling range

: Not available.

Flash point

 : Not available.

Flashpoint (Method)

 : Not available.

Evaporation rate (BuAe = 1)

 : Not available.

Flammability

 : Not applicable.

Lower explosion or flammability limit (% by vol.)

: Not available.

Upper explosion or flammability limit (% by vol.)

: Not available.

Oxidizing properties

 : Not applicable

Explosive properties

 : Not available.

Vapor pressure

 : Not available.

Relative vapor density

 : Not available.

Relative density / Specific gravity

: Not available.

Acid Lock®
SDS Revision Date (mm/dd/yyyy): 09/10/2026

Page 5 of 11

SAFETY DATA SHEET

Solubility in water : slight
Other solubility(ies) : Not available.
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution
: Not available.
Auto-ignition temperature : Not available.
Decomposition temperature : Not available.
Viscosity : Not available.
Particle characteristics : Not applicable.
Volatiles (% by weight) : Not available.
Volatile organic Compounds (VOC's)
: Not available.
Absolute pressure of container
: Not available.
Flame projection length : Not available.
Other physical/chemical comments
: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity : The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions
: Hazardous polymerization does not occur.
Conditions to avoid : High humidity. High temperatures.
Incompatible materials : Strong reducing agents.
Hazardous decomposition products
: Carbon oxides. Nitrogen oxides (NOx). Refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure:**

Routes of entry inhalation : YES. Inhalation of dusts may cause respiratory irritation.
Routes of entry skin & eye : YES. May cause mild skin and eye irritation.
Routes of entry Ingestion : NO. No harmful effects expected in amounts likely to be ingested by accident.
Routes of exposure skin absorption
: YES. May be mild irritating to skin, eyes, and respiratory system.

Potential Health Effects:**Signs and symptoms of short-term (acute) exposure**

Sign and symptoms Inhalation
: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Sign and symptoms ingestion
: No harmful effects expected in amounts likely to be ingested by accident.
Sign and symptoms skin
: None expected, when used as intended. Causes skin irritation. Symptoms may include a burning sensation, redness, swelling, drying, and cracking of the skin.
Sign and symptoms eyes
: None expected, when used as intended. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

Acid Lock®

SDS Revision Date (mm/dd/yyyy): 09/10/2026

Page 6 of 11

SAFETY DATA SHEET

Potential Chronic Health Effects

: None expected, when used as intended.

Mutagenicity

: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive effects.

Sensitization to material

: This product is not expected to cause respiratory sensitization.
This product is not expected to cause skin sensitization.

Specific target organ effects

: This material is not classified as hazardous under U.S. OSHA regulations (29 CFR 1910.1200) and Canadian WHMIS regulations (Hazardous Products Regulations).

Medical conditions aggravated by overexposure

: Not available.

Synergistic materials

: Not available.

Toxicological data

: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

Chemical name	LC ₅₀ (4hr) inh, rat	LD ₅₀	
		(Oral, rat)	(Rabbit, dermal)
Superabsorbent Polymer	N/Av	> 5,000 mg/kg	N/Av
Inorganic alkali salt	N/Av	> 8,000 mg/kg	> 2,000 mg/kg

Other important toxicological hazards

: Not applicable

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: Do not allow material to contaminate ground water system. The product is not classified as environmentally hazardous.

Ecotoxicity data:

Ingredients	CAS #	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Superabsorbent Polymer	9033-79-8	N/Av	N/Av	N/Av
Inorganic alkali salt	6132-04-3	18,000 – 32,000 mg/L (Poecilia reticulata)	N/Av	N/Av

Acid Lock®

SDS Revision Date (mm/dd/yyyy): 09/10/2026

Page 7 of 11

SAFETY DATA SHEET

<u>Ingredients</u>	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Superabsorbent Polymer	9033-79-8	N/Av	N/Av	N/Av
Inorganic alkali salt	6132-04-3	5,600 mg/L (Daphnia magna)	N/Av	N/Av

<u>Ingredients</u>	CAS #	Toxicity to Algae		
		EC50 / 96h	NOEC / 96h or 72h	M Factor
Superabsorbent Polymer	9033-79-8	N/Av	N/Av	N/Av
Inorganic alkali salt	6132-04-3	> 18,000 mg/L (Chlorella vulgaris)	N/Av	N/Av

Persistence and degradability

: No data is available on the product itself.

Bioaccumulation potential

: No data is available on the product itself.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Superabsorbent Polymer	N/Av	N/Av
Inorganic alkali salt	-1.72	1-3 (fish, 96h)

Mobility in soil

: No data available on the product itself.

Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Acid Lock®

Page 8 of 11

SDS Revision Date (mm/dd/yyyy): 09/10/2026

SAFETY DATA SHEET

SECTION 13. DISPOSAL CONSIDERATIONS

- Handling for Disposal** : Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
- Methods of Disposal** : Dispose of in accordance with local regulations. Empty container or may retain some product residues.
- RCRA** : The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated. None Known.	not regulated	none	
49CFR/DOT Additional information	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	None.				
IMDG	None.	Not regulated.	not regulated	none	
IMDG Additional information	None.				

Special precautions for user : None reported by the manufacturer.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

Acid Lock®

SDS Revision Date (mm/dd/yyyy): 09/10/2026

Page 9 of 11

SAFETY DATA SHEET

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity (RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de Minimis Concentration
Superabsorbent Polymer	9033-79-8	Yes	N/Av	N/Av	N/Av	N/Av
Inorganic alkali salt	6132-04-3	Yes	N/Av	N/Av	N/Av	N/Av

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Skin irritation Eye irritation

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Superabsorbent Polymer	9033-79-8	No	N/Ap	No	No	No	No	No	No
Inorganic alkali salt	6132-04-3	No	N/Ap	No	No	No	No	No	No

Canadian Information:

All ingredients are listed on the DSL or are exempted materials. Refer to Section 2 for a WHMIS Classification for this product.

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	New Zealand IOC
Superabsorbent Polymer	9033-79-8	N/Av	Present	Present	(6)-901	KE-60901	Present	N/Av
Inorganic alkali salt	6132-04-3	200-675-3	Present	Present	(2)-1323	KE-20843	Present	N/Av

Acid Lock®

SDS Revision Date (mm/dd/yyyy): 09/10/2026

Page 10 of 11

SAFETY DATA SHEET

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Services
CEPA: Canadian Environmental Protection Act
CSA: Canadian Standards Association
DOT: Department of Transportation
DSL: Domestic Substances List
EPA: Environmental Protection Agency
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods
LC: Lethal Concentration
LD: Lethal Dose
N/Ap: Not Applicable
N/Av: Not Available
NOEC: No observable effect concentration
NTP: National Toxicology Program
OECD: Organization for Economic Co-operation and Development
OEL: National occupational exposure limits
OSHA: Occupational Safety and Health Administration
PA: Pennsylvania
PEL: Permissible exposure limit
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average

References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices
2. ECHA - European Chemical Agency
3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases
4. Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists
6. California Proposition 65 List
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

Acid Lock®**SDS Revision Date (mm/dd/yyyy): 09/10/2026**

Page 11 of 11

SAFETY DATA SHEET

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Revision Information : Initial, New

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