



**SAFETY DATA SHEET (SDS)**  
OSHA Hazard Communication Standard 29 CFR 1910.1200

**Lo-Chlor FastStart-Tech**

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**1.1 PRODUCT IDENTIFIER**

Product/Trade Name: FastStart-Tech (FST005)

**1.2 INTENDED USE OF THE PRODUCT**

Pool start up product to control plaster dust, metal sequestrant, and scale formation prevention.

**1.3 NAME, ADDRESS, TELEPHONE OF MANUFACTURER**

Lo-Chlor L.L.C.  
5841 Powerline Road, Suite 202  
Ft. Lauderdale, FL 33309  
800-491-9810  
Fax: 954-491-2311  
www.lo-chlor.com

**1.4 EMERGENCY TELEPHONE NUMBER**

Emergency number: 1-800-424-9300  
For chemical emergency, spill, leak, fire, exposure, or accident, call Chemtrec day or night

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

**GHS-US Classification:**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.

**2.2 LABEL ELEMENTS**

**GHS-US Label Elements**

**Hazard pictograms (GHS-US)**



GHS07 Warning

**Signal word:** Warning



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**Lo-Chlor FastStart-Tech**

**Hazard statements:**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.

**Precautionary statements:**

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.
- P261 Avoid breathing dust/fumes/gas/mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 OTHER HAZARDS**

**Results of PBT and vPvB assessment:**

- PBT:** Not applicable.
- vPvB:** Not applicable.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 CHEMICAL CHARACTERIZATION**

**Mixtures:** Mixture of the substances listed below.

Chemical Name	Product Identifier	%	GHS-US classification
Trade Secret		40 - 45%	H302,H315,H317,H319, H332 H335
Water		55 - 60%	

**SECTION 4: FIRST-AID MEASURES**

**4.1 DESCRIPTION OF FIRST AID MEASURES**

**First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid after inhalation:** Supply fresh air; consult doctor in case of complaints.

**First-aid after skin contact:** Immediately rinse with water. Get medical attention if irritation develops.

**First-aid after eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.



**SAFETY DATA SHEET (SDS)**  
OSHA Hazard Communication Standard 29 CFR 1910.1200

**Lo-Chlor FastStart-Tech**

**First-aid after swallowing:** May be harmful if swallowed. Give large amounts of water. If large quantities of this material are swallowed, get medical attention immediately.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS/BOTH ACUTE AND DELAYED**

No further relevant information available.

**4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT NEEDED**

If medical advice is needed have product container or label at hand.

No further relevant information available.

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 EXTINGUISHING MEDIA**

**Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray, fog or alcohol resistant foam. Do not use water jet.

**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

May be combustible at high temperatures.

**5.3 ADVICE FOR FIREFIGHTERS**

**Protective equipment:** Exercise caution when fighting any chemical fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

**General measures:** Isolate area. Keep unnecessary personnel away. Keep out of low areas. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Avoid breathing vapor or mist. Ventilate closed spaces before entering. Use appropriate personal protection equipment (PPE). Handle in accordance with good industrial hygiene and safety practices.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Inform respective authorities in case of seepage into waterways or sewage system.

**6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Absorb and/or contain spills with liquid-binding material like sand, diatomite, acid binders, universal binders or sawdust to soak up the product and place into a container for later disposal. Clean up spill immediately and dispose of contaminated material as waste according to Section 13. Ensure adequate ventilation.

**6.4 REFERENCE TO OTHER SECTIONS**

See Section 7 for information on safe handling.

See Section 8 for information on exposure control and personal protection equipment.

See Section 13 for disposal information.



## Lo-Chlor FastStart-Tech

### SECTION 7: HANDLING AND STORAGE

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Precautions for safe handling:** Open and handle receptacle with care. Prevent formation of aerosols. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Avoid breathing vapor or mist. Use only in well-ventilated areas. Use local exhaust ventilation, if necessary.

**Hygiene measures:** Use appropriate personal protection equipment (PPE). Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling.

#### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage conditions:** Keep container tightly closed in a cool, well-ventilated area. Store between 40-100°F. Protect from freezing.

**Incompatible products:** Reactive with oxidizing agents.

**Incompatible materials:** Heat sources.

#### 7.3 SPECIFIC END USE(S)

No further relevant information available.

### SECTION 8: EXPOSURE CONTROLS/CHEMICAL PROPERTIES

#### 8.1 CONTROL PARAMETERS

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

##### 107-13-1 acrylonitrile

PEL	Short-term value: C 10 ppm	Long-term value: 2 ppm	Skin; see 29 CFR 1910.1045
REL	Short-term value: C 10* ppm	Long-term value: 1 ppm	*15-min; Skin; See Pocket Guide App. A
TLV	Long-term value: 4.3 mg/m <sup>3</sup> , 2 ppm Skin		

**Additional information:** The lists that were valid during the creation were used as a basis.

#### 8.2 EXPOSURE CONTROLS

**Appropriate engineering controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below the respective occupational exposure limits. Ensure eyewash stations and safety showers are available in the work-station location.

##### Personal protective equipment:



**Hand protection:** Wear chemically resistant protective gloves.

**Eye protection:** Chemical goggles or safety glasses.

**Skin and body protection:** Wear suitable protective clothing.

**Respiratory protection:** If exposure limits are exceeded or irritation is experienced, NIOSH approved respirator protection should be worn. Keep respiratory protective device available.

**General protection:** When using, do not eat, drink or smoke. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.



## Lo-Chlor FastStart-Tech

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Liquid
Appearance	:	Clear liquid
Color	:	Colorless to light yellow
Odor	:	Slight
Odor threshold	:	No data available
pH	:	6 - 7
Melting point	:	No data available
Freezing point	:	32°F
Boiling point	:	212°F
Flash point	:	Not applicable
Auto-ignition temperature	:	Product is not self-igniting
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Specific gravity	:	≈1.1
Solubility	:	Partially soluble in cold water

#### 9.2 OTHER INFORMATION

No further relevant information available.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 REACTIVITY

Reactive with oxidizing agents.

#### 10.2 CHEMICAL STABILITY

Product is stable under normal conditions.

#### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known.

#### 10.4 CONDITIONS TO AVOID

Keep away from heat, sparks, open flames, and hot surfaces.

#### 10.5 INCOMPATIBLE MATERIALS

Oxidizing agents.

#### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No dangerous decomposition products known.

#### 10.7 THERMAL DECOMPOSITION/CONDITIONS TO AVOID

No decomposition if used according to specifications.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity:

LD/LC50 values that are relevant for classification:

107-13-1acrylonitrile



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**Lo-Chlor FastStart-Tech**

Oral	LD50	78 mg/kg (rat)
Dermal	LD50	250 mg/kg (rabbit)
Inhalative	LC50/4h	425 mg/l (rat)

**11.2 PRIMARY IRRITANT EFFECT**

**On the skin:** May cause skin irritation and/or allergic skin reaction.

**On the eye:** May cause eye irritation.

**Sensitization:** No sensitizing effects known.

**11.3 ADDITIONAL TOXICOLOGICAL INFORMATION**

**Carcinogenic categories:**

<b>IARC (International Agency for Research on Cancer)</b>		
107-13-1	acrylonitrile	2B
67-63-0	Isopropyl alcohol	3
79-10-7	acrylic acid	3
80-62-6	methyl methacrylate	3
<b>NTP (National Toxicology Program)</b>		
107-13-1	acrylonitrile	R

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 TOXICITY**

**Aquatic toxicity:** No further relevant information available.

**12.2 PERSISTENCE AND DEGRADABILITY**

No further relevant information available.

**12.3 BIOACCUMULATIVE POTENTIAL**

No further relevant information available.

**12.4 MOBILITY IN SOIL**

No further relevant information available.

**12.5 ADDITIONAL ECOLOGICAL INFORMATION**

Avoid release to the environment.

**12.6 OTHER ADVERSE EFFECTS**

No further relevant information available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 WASTE TREATMENT METHODS**

**Waste disposal recommendations:** Dispose of contents/container in accordance with local, regional, and national regulations. Do not allow product to reach sewage system.

**SECTION 14: TRANSPORT INFORMATION**

**14.1 UN NUMBER**

Non-hazardous

**14.2 PROPER SHIPPING NAME**

DOT Non-regulated material

ADR

IATA

IMDG



**SAFETY DATA SHEET (SDS)**  
OSHA Hazard Communication Standard 29 CFR 1910.1200

**Lo-Chlor FastStart-Tech**

**14.3 DOT PACKING GROUP**

Not applicable

**14.4 HAZARD CLASS**

Not applicable

**SECTION 15: REGULATORY INFORMATION**

**15.1 SARA**

**Section 355 (Extremely hazardous substances):**  
107-13-1 Acrylonitrile

**Section 313 (Specific toxic chemical listings):**  
107-13-1 Acrylonitrile  
67-63-0 Isopropyl alcohol  
79-10-7 Acrylic acid  
80-62-6 Methyl methacrylate

**15.2 TSCA (Toxic Substances Control Act):**

All intentionally present components are listed.

**15.3 PROPOSITION 65**

**Chemicals known to cause cancer:** 107-13-1 Acrylonitrile  
**Chemicals known to cause reproductive toxicity for females:** No ingredients are listed.  
**Chemicals known to cause reproductive toxicity for males:** No ingredients are listed.  
**Chemicals known to cause developmental toxicity:** No ingredients are listed.

**15.4 CARCINOGENIC CATEGORIES**

**EPA (Environmental Protection Agency):**  
107-13-1 Acrylonitrile (B1)  
80-62-6 Methyl methacrylate (NL)

**TLV (Threshold Limit Value established by ACGIH):**  
107-13-1 Acrylonitrile (A3)  
67-63-0 Isopropyl alcohol (A4)  
79-10-7 Acrylic acid (A4)  
80-62-6 Methyl methacrylate (A4)

**NIOSH-Ca (National Institute for Occupational Safety and Health):**  
107-13-1 Acrylonitrile

**OSHA-Ca (Occupational Safety and Health Administration):**  
107-13-1 Acrylonitrile



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**SECTION 16: OTHER INFORMATION**

**16.1 CLASSIFICATION SYSTEM**

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

**NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 0  
Reactivity = 0

**HMIS-ratings (scale 0 - 4)**



Health = 1  
Fire = 0  
Reactivity = 0

This information is based on our present knowledge and on data considered to be accurate. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Lo-Chlor L.L.C assumes no responsibility for personal injury or property damage to users or third parties caused by the material. User assumes all risks associated with the use of this material.