



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



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

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 persist: 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: CO₂, 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.



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

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 ³ , 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.



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

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



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

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:

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



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

Lo-Chlor FastStart-Tech

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.