

SAFETY DATA SHEET



Texrite Flowrite 250 FS

As of date: 2018

Section 1 Product Description

Product Name: Flowrite 250 FS
Recommended Use: Self-leveling Underlayment
Synonyms: Surface patch, Resurfacer, Floor patching mortar

Manufacturer: Texas Cement Products, dba Texrite
4000 Pinemont, Houston, Texas 77018, USA
713-682-8411
www.texrite.com

General Phone Number: 713-682-8411 (8am-3pm, CST, M-F)

General Fax Number: 713-688-2488

Section 2 Hazards Identification

Classification of the chemical in accordance with paragraph (d) of 1910.1200;



Signal Word: Danger

GHS Class: Serious Eye Damage/Eye Irritation, Category 1,
Skin Corrosion/Irritation, Category 2
Skin Sensitizer/Allergic skin reaction, Category 1
Carcinogen/May cause cancer if inhaled, Category 1A,
May cause respiratory irritation, STOT SE3
Damage to organs through prolonged or repeated exposure if inhaled, STOT RE1

Hazard Statements: H100s = General, H200s = Physical, H300s = Health, H400s = Environmental

H302 -Harmful if swallowed.
H315 -Causes skin irritation.
H317 -May cause an allergic skin reaction.
H318 -Causes serious eye damage.
H319 -Causes serious eye irritation.
H335 -May cause cancer if inhaled.
H350.A -May cause respiratory irritation.
H372.A - Causes damage to organs through prolonged or repeated exposure if inhaled.

Precautionary Statements: P201 -Obtain special instructions before use.
P202 -Do not handle until all safety precautions have been read and understood.
P260.B -Do not breathe dust.
P264.3 -Wash skin thoroughly after handling.
P270 -Do not eat, drink or smoke when using this product.
P271 -Use only outdoors or in a well-ventilated area.
P272 -Contaminated work clothing should not be allowed out of the workplace
P280.B -Wear protective gloves and eye, face protection.
P302+P352,9 -IF ON SKIN. Wash with plenty of water
P304+P340 -IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.

P310.A -Immediately call a POISON CENTER.
 P314 -Get medical advice/attention if you feel unwell.
 P321 .A -Specific treatment (see supplementary instructions on this label)
 P333+P313 -If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364 -Take &contaminated clothing and wash it before reuse.
 P403+P233 -Store in a well-ventilated place. Keep container lightly dosed.
 P405 -Store locked up.
 P501A -Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

Ingredients(s) with unknown acute toxicity: None

Hazards not otherwise classified identified during the classification process: None

Section 3 Composition Information and Ingredients

Mixture:

<u>Component Name</u>	<u>CAS #</u>	<u>WT %</u>	<u>Classification</u>
Silica Sand	14808-60-7	40-60%,	Carc. 1A, H350A, STOT RE 1, H372A
Portland Cement	65997-15-1	1-15%	STOT SE 3, H335: Eye Dam 1, H318 Skin Sens. 1, H317; Skin Irrit. 2, H315
Lithium Carbonate	554-13-2	0.1-5%	Acute Tox. 4, H302; Eye Irrit. 2A, H319

Section 4 First-Aid Measures

Emergency and First Aid Procedures

Inhalation: Remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration. In case of inhalation, consult a doctor immediately and show him packing or label.

Eyes: IF IN EYES: Rinse cautiously with water with the eyelids open for a sufficient length of time. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation continues, then get medical advice/attention immediately. Protect uninjured eye.

Skin Contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Most Important symptoms/effects, acute and delayed:
 Eye Irritation
 Eye damages
 Skin Irritation

Indication of any immediate medical attention and special treatment needed:
 In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Section 5 Fire Fighting Measures

Extinguishing Media: Use carbon dioxide, or water spray when fighting fires involving this material.

Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Fire and/or Explosion Hazards: Do not inhale explosion and combustion gases. Burning produces heavy smoke.

Hazardous Combustion Products: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters:

Use suitable breathing apparatus.
 Collected contaminated fire extinguishing water separately. This must not be discharged into drains.
 Move undamaged containers from immediate hazard area if it can be done safely.

Section 6 Accidental Release Measures

Steps to Take in Case Material Is Released or Spilled: Wear personal protection equipment. Wear breathing apparatus if exposed to vapors/dusts/aerosols. Provide adequate ventilation. Use appropriate respiratory protection. See protective measures under section 7 and 8. Ventilate the contaminated area.
 Suitable material for taking up: absorbing material, organic, sand. Wash with plenty of water.

Section 7 Handling and Storage

Handling: Avoid contact with skin and eyes, Inhalation of vapors and mists. Exercise the greatest care when handling or opening the container. Use localized ventilation system. Don't use empty container before they have been cleaned. Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Storage: Keep dry. Keep container tightly closed & upright when not in use to prevent leakage.

Storage Code: N.A.

Section 8 Exposure Controls / Personal Protection

List of components with OEL value

Component	OEL Type Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behavior	Note
Silica Sand	ACGIH		0.025					A2-Suspected Human Carcinogen; lung cancer; pulmonary fibrosis
Portland cement	OSHA OSHA ACGIH		15 5 1					A4- Not classifiable as a Human Carcinogen;; pulmonary function: respiratory symptoms; asthma

Control Parameters Engineering Measures: General room ventilation might be required to maintain operator comfort under normal conditions of use. Avoid generating airborne dust

Personal Protective Equipment (PPE):

Respiratory Protection: No respiratory protection required under normal conditions of use.
Respirator Type(s): Use NIOSH approved air purifying respirator with dust filter.

Eye Protection: Wear close fitting safety glasses or goggles when handling this product.

Skin Protection: Avoid skin contact by wearing clothing that provides comprehensive protection. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves: PVC, neoprene, rubber, nitrile

Section 9 Physical and Chemical Properties

Appearance:	Gray Powder
Odor:	Cement likes
Odor Threshold:	None
pH (Neutrality):	12.00
Melting Point/Freezing Point:	N.A.
Boiling Range (lbp,50%,Dry Point):	N.A.
Flash Point (Test Method):	N.A.
Evaporation Rate	
(n-Butyl Acetate=1):	N.A.
Flammability Classification:	N.A.
Lower Flammable	
Limit in Air (% by vol):	N.A.
Upper Flammable	
Limit in Air (% by vol):	N.A.
Vapor Pressure (mm of Hg)@20 C:	N.A.
VAPOR DENSITY (Air=1):	N.A.
GRAVITY @ 68/68F / 20/20C:	
Specific Gravity (Water=1):	N.A.
Pounds/Gallon:	N.A.
Water Solubility:	Soluble
Partition Coefficient (n-Octane/Water):	N.A.
Auto Ignition Temperature:	N.A.
Decomposition Temperature:	N.A.
Other Information	
Substance Groups relevant properties	N.A.
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.

Section 10 Stability and Reactivity

Reactivity:	Stable under normal conditions.
Chemical Stability:	No data available
Possibility of Hazardous Reaction:	None
Conditions to Avoid:	Stable under normal conditions.
Incompatible Materials:	None in particular
Hazardous Decomposition Products:	None

Section 11 Toxicological Information

Toxicological Information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentrations of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological Information on the main components of the mixture:

Silica Sand	a) acute toxicity	LD50 (Oral): =500 mg/kg (Rat)
Lithium Carbonate	a) acute toxicity	LD50 (Inhalation): >217 mg/l 4h (Rat)

If not differently specified, the information required in the regulation and listed below must be considered NA.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitization
- e) germ cell mutagenicity
- f) carcinogenicity
- g),reproductive toxicity
- h) STOT - single exposure
- l) STOT -repeated exposure
- J) aspiration hazard

Substance(s) listed on the IARC Monographs: Silica Sand Group 1
 Substance(s) listed as OSHA Carcinogen(s): Silica Sand
 Substance(s) listed as NIOSH Carcinogen(s): Silica Sand
 Substance(s) listed on the NTP report on Carcinogens: Silica Sand

Section 12 Ecological Information

Overview: Adopt good working practices, so that the product is not released into the environment.

Ecotoxicity:

<u>QTY , Chemical Name</u>	<u>CAS Number</u>	<u>Eco Toxicity</u>
40-60%, Silica Sand	14808-60-7	LC 50 a) Aquatic acute toxicity carp >10000.00000 mg/L 72h

Persistence and degradability: The polymeric component is not expected to biodegrade.
Bioaccumulative potential: No data
Mobility in soil: No data
Other Adverse Effects: No data

Section 13 Disposal Considerations

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.
Waste Disposal Code(s): Not Determined

Section 14 Transport Information

UN number
 ADR-UN number: N/A
 DOT-UN number: N/A
 IATA-UN number: N/A
 IMDG-UN number: N/A
 UN proper shipping name
 ADR-Shipping Name: N/A
 DOT Proper Shipping Name: N/A
 IATA-Technical name: N/A
 IMDG-Technical name: N/A
 Transport hazard class(es)
 ADR- Class: N/A
 DOT Hazard Class: N/A
 IATA- Class: N/A
 IMDG-Class: N/A
 Packing group
 ADR Packing Group: N/A
 DOT-Packing group: N/A
 IATA-Packing group: N/A
 IMDG-Packing group: N/A
 Environmental hazards
 Marine pollutant: No
 Environmental Pollutant: N.A.
 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: N.A.
 Special Precautions
 Department of Transportation (DOT):

DOT-Special Provision(s):	N/A
DOT Label(s):	N/A
DOT Symbol:	N/A
DOT Cargo Aircraft:	N/A
DOT Passenger Aircraft:	N/A
DOT Bulk:	N/A
DOT Non-Bulk:	N/A
Road and Rail (ADR-RID):	
ADR-Label:	N/A
ADR Hazard identification number:	N/A
ADR Tunnel Restriction Code:	N/A
Air (IATA) :	
IATA- Passenger Aircraft:	N/A
IATA- Cargo Aircraft :	N/A
IATA- Label:	N/A
IATA- Subrisk:	N/A
IATA- Erg:	N/A
IATA- Special Provisions:	N/A
Sea (IMDG):	
IMDG -Stowage Code:	N/A
IMDG -Stowage Note:	N/A
IMDG -Subrisk:	N/A
IMDG -Special Provisions:	N/A
IMDG -Page:	N/A
IMDG -Label:	N/A
IMDG -EMIS:	N/A
IMDG -MFAG:	N/A

Section 15 Regulatory Information

USA - Federal regulations

TSCA • Toxic Substances Control Act

TSCA Inventory:

All the components are listed on the TSCA inventory

TSCA listed substances:

Silica Sand	is listed in TSCA	Section 8b
Portland cement	is listed in TSCA	Section 8b
Lithium carbonate	is listed in TSCA	Section 8b

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substance listed

Section 304 –Hazardous substances: no substance listed

Section 313 – Toxic chemical list: Lithium carbonate

CERCLA – Comprehensive Environmental Response, Compensations, and Liability Act

Substance(s) listed under CERCLA: no substance listed

CAA – Clean Air Act

CAA Substances listed: no substance listed

CWA – Clean Water Act

CWA Substances listed: no substance listed

USA - state specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65

Silica Sand	listed as carcinogen
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Lithium carbonate listed as reproductive toxicant

Massachusetts right to know
Substance(s) listed under Massachusetts Right to Know;
Silica Sand
Portland cement
Lithium carbonate

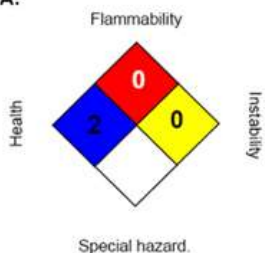
Pennsylvania Right to know
Substance(s) listed under Pennsylvania Right to Know;
Silica Sand
Portland cement

New Jersey Right to know
Substance(s) listed under New Jersey Right to Know;
Silica Sand
Portland cement
Lithium carbonate

Section 16 Other Information

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

NFPA:



HMIS III:

HEALTH	*	2
FLAMMABILITY		0
PHYSICAL HAZARD		0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

HMIS Health: 2 = MODERATE
HMIS Health - Is health hazard chronic?: Yes
HMIS Flammability: 0 = Not Combustible
HMIS Reactivity: 0 = MINIMAL
HMIS P.P.E.: Safety glasses, gloves, dust respirators

NFPA Health: 2 = MODERATE
NFPA Flammability: 0 = Not Combustible
NFPA Reactivity: 0 = MINIMAL
NFPA Special Risk: NONE

Code	Description
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H350A	May cause cancer if inhaled
H372A	Causes damage to organs through prolonged or repeated exposure if inhaled

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Texrite makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	-American Conference of Governmental Industrial Hygienists	OSHA	-Occupational Safety and Health Administration
CAS	-Chemical Abstract Service Number	PEL	-Permissible Exposure Limit
CERCLA	-Comprehensive Environmental Response, Compensation, and Liability Act	ppm	-Parts per million
DOT	-U.S. Department of Transportation	RCRA	-Resource Conservation and Recovery Act
IARC	-International Agency for Research on Cancer	SARA	-Superfund Amendments and Reauthorization
N/A	-Not Available	TLV	-Threshold Limit Value
NTP	-National Toxicology Program	TSCA	-Toxic Substances Control Act
		IDLH	-Immediately dangerous to life and health

SAFETY DATA SHEET



Texrite Bonding Primer 500

As of date: 2018

Section 1 Product Description

Product Name: Bonding Primer 500
Recommended Use: Water based adhesive, surface primer
Synonyms: latex liquid, bonding agent, additive, admix
Manufacturer: Texas Cement Products, dba Texrite
4000 Pinemont, Houston, Texas 77018, USA
713-682-8411
www.texrite.com
General Phone Number: 713-682-8411 (8am-3pm, CST, M-F)
General Fax Number: 713-688-2488

Section 2 Hazards Identification

Classification of the chemical in accordance with paragraph (d) of 1910.1200;

Signal Word: N/A
GHS Class: Not a hazardous substance or mixture.
Hazard Statements: Not a hazardous substance or mixture.
Precautionary Statements: Not a hazardous substance or mixture.
Emergency Overview:
Appearance - liquid
Color - white
Odor -sweet

Potential Health Effects:

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

Section 3 Composition Information and Ingredients

Substance / Mixture: Mixture

<u>Component</u>	<u>CAS #</u>	<u>Amount</u>
Water	7732-18-5	>= 45.0 - <= 55.0 %
Latex polymer	Trade secret	>= 45.0 - <= 55.0 %

Section 4 First-Aid Measures

Emergency and First Aid Procedures

Inhalation:	In case of accident by inhalation: Move to fresh air. If symptoms persist, call a physician.
Eyes:	IF IN EYES: Flush eyes with water at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation develops or persists.
Skin Contact:	IF ON SKIN: Wash off with soap and water.
Ingestion:	Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

Section 5 Fire Fighting Measures

Extinguishing Media:	Not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Suitable extinguishing media:	Not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	none
Specific hazards during fire fighting:	Cool closed containers exposed to fire with water spray.
Specific extinguishing methods:	none
Further information:	This product is an aqueous mixture that will not burn. Dried product film will burn in a fire.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Refer to protective measures listed in sections 7 and 8.
Environmental precautions:	No special environmental precautions required. Prevent product from entering drains.
Steps to Take in Case Material Is Released or Spilled:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Section 7 Handling and Storage

Advice on safe handling:	No special precautions are needed in handling this material.
Conditions for safe storage:	Keep container closed when not in use. Keep in a dry, cool place
Materials to avoid:	Do not freeze. No special restrictions
Storage temperature:	>40 °F

Section 8 Exposure Controls / Personal Protection

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Control Parameters

Engineering Measures: Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE): No personal respiratory protective equipment normally required.
In case of insufficient ventilation, wear suitable respiratory equipment.

Eye Protection: Safety glasses

Gloves: Nitrile rubber for prolonged or repeated contact use protective gloves.

Protective Measure: No special protective equipment required.

Section 9 Physical and Chemical Properties

Flash Point: Not applicable
Evaporation rate: not determined
Flammability (solid, gas): Not classified as a flammability hazard

Upper explosion limit:
 upper flammability limit: not determined
Lower explosion limit:
 lower flammability limit: not determined

Vapor pressure: not determined
Relative vapor density: not determined

Density: 8.8 - 9.2 lb/gal
Solubility(ies)

Water solubility: dispersible
Partition coefficient:
n-octanol/water: No data available

Autoignition temperature: not determined

Viscosity
Viscosity, dynamic: 2,000 - 2,600 cP
Solid Content, % by weight : 45-55

Section 10 Stability and Reactivity

Reactivity: No data available
Chemical Stability: The product is chemically stable.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Hazardous decomposition products: Stable under normal conditions.

Section 11 Toxicological Information

Symptoms (Acute):

Acute toxicity

Product:

Acute oral toxicity: Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method
Acute dermal toxicity: Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Skin corrosion/irritation:

Serious eye damage/eye irritation:

No data available
No data available

Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
STOT-single exposure:	No data available
STOT-repeated exposure:	No data available
Aspiration toxicity:	No data available

Section 12 Ecological Information

Ecotoxicity:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available

Section 13 Disposal Considerations

Disposal Methods:

Waste from residues: To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

Section 14 Transport Information

Special precautions for user

Remarks : Not dangerous goods

Domestic regulation

International Regulation

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
Not applicable for product as supplied.

Section 15 Regulatory Information

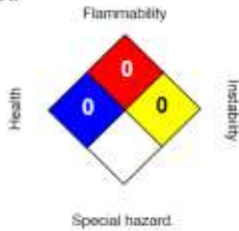
SARA 311/312 Hazards:	No SARA Hazards
SARA 302 :	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 :	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) report
Clean Air Act:	This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
US State Regulations	
California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

TSCA:	On TSCA Inventory
DSL:	All components of this product are on the Canadian DSL.
REACH:	Not in compliance with the inventory
AICS:	Not in compliance with the inventory
NZIoC:	Not in compliance with the inventory
ENCS:	Not in compliance with the inventory
KECI:	Not in compliance with the inventory
PICCS:	Not in compliance with the inventory
IECSC:	On the inventory, or in compliance with the inventory
TWINV:	Not in compliance with the inventory
Inventories Legend	TSCA (USA), DSL (Canada), REACH(Europe), AICS (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV(Taiwan)

Section 16 Other Information

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

NFPA:

Flammability:	0
Health:	0
Instability:	0
Special hazard:	NONE

HMIS III:

HEALTH	0
FLAMMABILITY:	0
PHYSICAL HAZARD:	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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Glossary

ACGIH -American Conference of Governmental Industrial Hygienists	DOT -U.S. Department of Transportation
CAS -Chemical Abstract Service Number	IARC -International Agency for Research on Cancer
CERCLA -Comprehensive Environmental Response, Compensation, and Liability Act	N/A -Not Available
	NTP -National Toxicology Program

OSHA -Occupational Safety and Health
Administration
PEL -Permissible Exposure Limit
ppm -Parts per million
RCRA -Resource Conservation and Recovery Act

SARA -Superfund Amendments and
Reauthorization
TLV -Threshold Limit Value
TSCA -Toxic Substances Control Act
IDLH -Immediately dangerous to life and
health