

Safety Data Sheet

**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking****1.1 Product identifier****Product Name****Styrene Monomer, Stabilized****Synonyms**

Cinnamene; Cinnamenol; Diarex HF 77; Ethenylbenzene; NCI-C02200; Phenethylene; Phenylethene; Phenylethylene; Phenylethylene, inhibited; Stirol (Italian); Styreen (Dutch); Styrene (CZECH); Styrene Monomer (ACGIH); Styrene Monomer, Stabilized (DOT); Styrol (German); Styrole; Styrolene; Styron; Styropor; Vinylbenzen (CZECH); Vinylbenzene; Vinylbenzol

CAS Number

100-42-5

EC Number

202-851-5

REACH Registration Number

01-2119457861-32-XXXX

1.2 Relevant identified uses of the substance or mixture and uses advised against**Relevant identified use(s)**

- a) Production of: expandable polystyrene (EPS);
- b) Production of polystyrene (HIPS) and GPPS;
- c) Production of styrenic co-polymers;
- d) Production of unsaturated polyester resins;
- e) Production of styrene-butadiene rubber;
- f) Production of styrene-butadiene latex;
- g) Production of styrene isoprene co-polymers;
- h) Production of styrene based polymeric dispersions;
- i) Production of filled polyols. Styrene is mainly used as a monomer for the manufacture of polymers (such as polystyrene, or certain rubber and latex)

1.3 Details of the supplier of the safety data sheet**Manufacturer**

Westlake Styrene L.L.C.
900 Highway 108
Sulphur, LA 70665
United States
www.westlake.com

Telephone (General)

337-583-2200

1.4 Emergency telephone number

800-424-9300 – CHEMTREC


Section 2: Hazards Identification**EU/EEC****According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]****According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)****2.1 Classification of the substance or mixture****CLP**

- Flammable Liquids 3 - H226
- Aspiration 1 - H304
- Skin Irritation 2 - H315
- Eye Irritation 2 - H319

DSD/DPD

Acute Toxicity Inhalation 4 - H332
 Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
 Specific Target Organ Toxicity Repeated Exposure 1 - H372
 • Flammable
 Harmful (Xn)
 Irritant (Xi)
 R10, R20, R36/37/38, R48/20, R65

2.2 Label Elements

CLP	Hazard Statements	
	• DANGER  <p>H226 - Flammable liquid and vapour H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H319 - Causes serious eye irritation H332 - Harmful if inhaled H335 - May cause respiratory irritation H372 - Causes damage to organs - Ear/Ototoxin through prolonged or repeated exposure via Inhalation</p>	
Precautionary statements	Prevention	• P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking. P233 - Keep container tightly closed. P240 - Ground and/or bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting/equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P260 - Do not breathe mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves and eye/face protection
	Response	• P370+P378 - In case of fire: Use appropriate media for extinction. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P363 - Wash contaminated clothing before reuse. P332+P313 - If skin irritation occurs: Get medical advice/attention. P321 - Specific treatment, see supplemental first aid information. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 - Do NOT induce vomiting. P314 - Get medical advice/attention if you feel unwell.
	Storage/Disposal	• P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P235 - Keep cool. P405 - Store locked up. P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD**Risk phrases**

- R10 - Flammable.
- R20 - Harmful by inhalation.
- R36/37/38 - Irritating to eyes, respiratory system and skin.
- R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R65 - Harmful: may cause lung damage if swallowed.

Safety Phrases

- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

2.3 Other Hazards**CLP**

- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD

- This product is considered dangerous according to the European Directive 67/548/EEC.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture**OSHA HCS 2012**

- Flammable Liquids 3
- Aspiration 1
- Skin Irritation 2
- Eye Irritation 2
- Acute Toxicity Inhalation 4
- Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
- Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
- Germ Cell Mutagenicity 2
- Carcinogenicity 2
- Specific Target Organ Toxicity Repeated Exposure 1

2.2 Label elements**OSHA HCS 2012****Hazard statements****DANGER**

- Flammable liquid and vapour
- May be fatal if swallowed and enters airways
- Causes skin irritation
- Causes serious eye irritation
- Harmful if inhaled
- May cause respiratory irritation
- May cause drowsiness or dizziness
- Suspected of causing genetic defects.
- Suspected of causing cancer.
- Causes damage to organs - Ear/Ototoxin through prolonged or repeated exposure via Inhalation

Precautionary statements**Prevention**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
- Keep container tightly closed.
- Ground and/or bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.

Response

- Do not breathe mist/vapours/spray.
 Wash thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/protective clothing/eye protection/face protection.
- In case of fire: Use appropriate media for extinction.
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 Call a POISON CENTER or doctor/physician if you feel unwell.
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 Wash contaminated clothing before reuse.
 If skin irritation occurs: Get medical advice/attention.
 Specific treatment, see supplemental first aid information.
 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/attention.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 Do NOT induce vomiting.
 IF exposed or concerned: Get medical advice/attention.
 Get medical advice/attention if you feel unwell.

**Storage/
Disposal**

- Store in a well-ventilated place. Keep container tightly closed.
 Keep cool.
 Store locked up.
 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards**OSHA HCS 2012**

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada**According to WHMIS****2.1 Classification of the substance or mixture****WHMIS**

- Flammable Liquids - B2
 Other Toxic Effects - D2A
 Other Toxic Effects - D2B

2.2 Label elements**WHMIS**

- Flammable Liquids - B2
 Other Toxic Effects - D2A
 Other Toxic Effects - D2B

2.3 Other hazards**WHMIS**

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients**3.1 Substances**

Composition

Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive
Styrene	CAS: 100-42-5 EC Number: 202-851-5 EU Index: 601-026-00-0	99.9% TO 100%	Ingestion/Oral-Rat LD50 • 2650 mg/kg Inhalation-Rat LC50 • 11800 mg/m ³ 4 Hour(s)	EU DSD/DPD: Annex VI, Table 3.2: R10 Xn R20 Xi R36/38 EU CLP: Annex VI, Table 3.1: Flam. Liq. 3, H226; Acute Tox. 4 *, H332; Eye Irrit. 2, H319; Skin Irrit. 2, H315; Asp. Tox. 1, H304; STOT SE 3: Resp.Irrit., H335; STOT RE 1 (Ear, Inhl.), H372 OSHA HCS 2012: Flam. Liq. 3; Acute Tox. 4 (Inhl); Eye Irrit. 2; Skin Irrit. 2; STOT SE 3: Narc.; Carc. 2; Muta. 2; Asp. Tox. 1; STOT SE 3: Resp.Irrit.; STOT RE 1 (Ear, Inhl.)

3.2 Mixtures

- Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention.

Skin

- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin. Wash the contaminated area of body with soap and fresh water. Remove and isolate contaminated clothing. If irritation develops and persists, get medical attention.

Eye

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.

Ingestion

- Do NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media

- Use CO₂, dry chemical, or foam.

Unsuitable Extinguishing Media

- Water may be ineffective but water should be used to keep fire exposed containers cool.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- Containers may explode when heated.
- Vapor explosion hazard indoors, outdoors or in sewers.
- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
- Many liquids are lighter than water.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Runoff to sewer may create fire or explosion hazard.
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Styrene vapor is inhibited and can form polymers that will block the vents or flame arresters of storage tanks.

Hazardous Combustion Products

- NDA

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection.
- Wear positive pressure self-contained breathing apparatus (SCBA).
- Move containers from fire area if you can do it without risk.
- LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

Section 6 - Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures****Personal Precautions**

- CAUTION: Victim may be a source of contamination. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

6.3 Methods and material for containment and cleaning up**Containment/Clean-up Measures**

- Avoid generating dust.
- Use clean nonsparking tools to collect material.
- Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage**7.1 Precautions for safe handling****Handling**

- Use only with adequate ventilation. Keep away from heat, sparks, and flame. All equipment used when handling the product must be grounded. Take precautionary measures against static charges. Empty containers retain product residue and can be hazardous. Do not cut, weld, puncture or incinerate container. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapours and/or spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities**Storage**

- Contamination of storage facilities, especially with polymerization initiators, must not occur. Keep container closed and in ventilated area, away from ignition sources, heat, open flames, and direct sunlight. Do not store with incompatible materials. Prolonged storage is strongly discouraged and a first in first out rotation system may be useful for proper stock rotation requirements. Check the styrene at least weekly to determine the inhibitor and polymer content if the material is being stored for any period of time in excess of 30 days at 90°F (32°C).

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Styrene (100-42-5)	Ceilings	Not established	Not established	200 ppm Ceiling
	TWAs	20 ppm TWA	50 ppm TWA; 215 mg/m ³ TWA	100 ppm TWA
	STELs	40 ppm STEL	100 ppm STEL; 425 mg/m ³ STEL	Not established

8.2 Exposure controls

Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use only appropriately classified electrical equipment.

Personal Protective Equipment

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear safety goggles.

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15 minute exposures

TWA = Time Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Colorless, transparent liquid with a sweet, pleasant aromatic odor at low concentrations and an unpleasant odor at high concentrations.
Color	Colorless	Odor	Sweet, pleasant aromatic odor at low concentrations and an unpleasant odor at high concentrations.
Odor Threshold	0.15 ppm		
General Properties			
Boiling Point	145 C(293 F)	Melting Point	-30.6 C(-23.08 F)
Decomposition Temperature	NDA	pH	NDA
Specific Gravity/Relative Density	= 0.9059 @ 20 C(68 F) Water=1	Water Solubility	Negligible.
Viscosity	0.762 Centipoise (cPs, cP) or mPas @ 20 C(68 F)	Explosive Properties	NDA
Oxidizing Properties:	NDA		
Volatility			
Vapor Pressure	5 mmHg (torr) @ 20 C(68 F)	Vapor Density	3.6 Air=1

Evaporation Rate	0.49 n-Butyl Acetate = 1		
Flammability			
Flash Point	31 C(87.8 F)	UEL	6.8 %
LEL	0.9 %	Autoignition	490 C(914 F)
Flammability (solid, gas)	NDA		
Environmental			
Octanol/Water Partition coefficient	NDA		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization may occur, with heat evolution, under certain conditions; including increased heat, low inhibitor concentration, and low oxygen concentration.

10.4 Conditions to avoid

- Excess heat, sparks, open flame..

10.5 Incompatible materials

- Styrene can react dangerously with oxidizing materials such as chlorosulfonic acid, oleum and sulfuric acid. Also metal salts, acids, caustic, aluminum chloride, ferric chloride and chlorine gas.

10.6 Hazardous decomposition products

- Acrid vapor upon heating. Production of carbon monoxide, carbon dioxide and styrene oxide

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components	CAS	Data
Styrene (99.9% TO 100%)	100-42-5	<p>Acute Toxicity: Ingestion/Oral-Rat LD50 • 2650 mg/kg; <i>Behavioral:Somnolence (general depressed activity); Liver:Other changes;</i> Inhalation-Rat LC50 • 11800 mg/m³ 4 Hour(s);</p> <p>Irritation: Eye-Rabbit • 100 mg • Severe irritation; Skin-Rabbit • 100 % • Moderate irritation;</p> <p>Multi-dose Toxicity: Inhalation-Rat TCLo • 300 ppm 6 Hour(s) 2 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Structural or functional change in trachea or bronchi; Lungs, Thorax, or Respiration:Other changes; Liver:Other changes;</i></p> <p>Mutagen: Sister chromatid exchange • Inhalation-Human • 1204 mg/m³ 5 Year(s)-Intermittent; DNA adduct • Inhalation-Human • 107.4 µg/L 4 Year(s)-Intermittent; Sister chromatid exchange • Inhalation-Mouse • 125 ppm 4 Day(s)-Intermittent; Micronucleus test • Inhalation-Mouse • 1500 mg/m³ 7 Day(s)-Intermittent; DNA adduct • Inhalation-Mouse • 1500 µg/L 21 Day(s)-Intermittent; DNA adduct • Inhalation-Mouse • 600 µg/L 10 Day(s)-Intermittent;</p> <p>Reproductive: Ingestion/Oral-Rat TDLo • 4 g/kg (6-15D preg); <i>Reproductive Effects:Effects on Embryo or Fetus:Fetotoxicity (except death, e.g., stunted fetus);</i></p> <p>Tumorigen / Carcinogen: Inhalation-Rat TCLo • 100 ppm 4 Hour(s) 5 Day(s)-Intermittent; <i>Tumorigenic:Carcinogenic by RTECS criteria; Skin and Appendages:Other:Tumors; Blood:Leukemia</i></p>

GHS Properties	Classification
Acute toxicity	EU/CLP•Acute Toxicity - Inhalation 4 OSHA HCS 2012•Acute Toxicity - Inhalation 4
Aspiration Hazard	EU/CLP•Aspiration 1 OSHA HCS 2012•Aspiration 1
Carcinogenicity	EU/CLP•NDA

	OSHA HCS 2012•Carcinogenicity 2
Germ Cell Mutagenicity	EU/CLP•NDA OSHA HCS 2012•Germ Cell Mutagenicity 2
Skin corrosion/Irritation	EU/CLP•Skin Irritation 2 OSHA HCS 2012•Skin Irritation 2
Skin sensitization	EU/CLP•NDA OSHA HCS 2012•NDA
STOT-RE	EU/CLP•Specific Target Organ Toxicity Repeated Exposure 1 OSHA HCS 2012•Specific Target Organ Toxicity Repeated Exposure 1
STOT-SE	EU/CLP•Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation OSHA HCS 2012•Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Toxicity for Reproduction	EU/CLP•NDA OSHA HCS 2012•NDA
Respiratory sensitization	EU/CLP•NDA OSHA HCS 2012•NDA
Serious eye damage/Irritation	EU/CLP•Eye Irritation 2 OSHA HCS 2012•Eye Irritation 2

Potential Health Effects

Inhalation

Acute (Immediate)

- Harmful if inhaled. May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

Chronic (Delayed)

- Exposure to Styrene may enhance hearing damage caused by exposure to noise.

Skin

Acute (Immediate)

- Causes skin irritation.

Chronic (Delayed)

- NDA

Eye

Acute (Immediate)

- Causes serious eye irritation.

Chronic (Delayed)

- NDA

Ingestion

Acute (Immediate)

- Material may be aspirated into lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.

Chronic (Delayed)

- NDA

Mutagenic Effects

- Repeated and prolonged exposure may cause mutagenic effects

Carcinogenic Effects

- Repeated and prolonged exposure may cause cancer.

Carcinogenic Effects			
	CAS	IARC	NTP
Styrene	100-42-5	Group 2B-Possible Carcinogen	Reasonably Anticipated to be Human Carcinogen

Key to abbreviations

LC = Lethal Concentration

LD = Lethal Dose

TC = Toxic Concentration

TD = Toxic Dose

Reproductive Effects

- Multiple physical deformities, with signs similar to fetal alcohol syndrome, microencephaly, CNS dysfunction, and variable growth deficiencies, have occurred in infants born to mothers who abused toluene during pregnancy.

Section 12 - Ecological Information

12.1 Toxicity

- NDA

12.2 Persistence and degradability

- NDA

12.3 Bioaccumulative potential

- NDA

12.4 Mobility in Soil

- NDA

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been carried out.

12.6 Other adverse effects

- NDA

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN2055	Styrene monomer, stabilized	3	III	NDA
TDG	UN2055	STYRENE MONOMER, STABILIZED	3	III	NDA
IMO/IMDG	UN2055	STYRENE MONOMER, STABILIZED	3	III	NDA
IATA/ICAO	UN2055	Styrene monomer, stabilized	3	III	NDA

14.6 Special precautions for user

- None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- NDA

Section 15 - Regulatory Information

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

SARA Hazard Classifications

- Acute, Chronic, Fire

Inventories

- These products comply with the following inventories:

Australia AICS

Canada DSL/NDSL

China

EU EINECS/ ELNICS

Japan ENCS

Korea KECL

New Zealand

Philippines PICCS

USA TSCA

California Prop 65

- In compliance, no reportable substances

CONEG

- These products are in compliance with the heavy metals requirements of the Coalition of Northeastern Governors and California Toxics in Packaging Prevention Act (AB2021).

WHIMS Classification

- The component Styrene (CAS 100-42-5) is classified as B2, D2A

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information**Last Revision Date**

23/April/2015

Preparation Date

13/April/2014

Disclaimer/Statement of Liability

It is your responsibility to determine that our product is safe, lawful, and technically suitable for your intended uses. This safety data sheet cannot cover all possible situations which the user may experience during processing. Each aspect of the user's operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this safety data sheet should be provided to employees and/or customers. Westlake Styrene LLC must rely on the user to use this information to develop appropriate work practice guidelines and employee instructional programs specific to the user's operation.

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The information in this sheet is valid for cited regulations published as of the date this document was prepared, as shown herein. Updates may be prepared as the regulations are amended or pending revised information about the product. It is the customer's responsibility to seek updated regulatory information on any specific product.

Key to abbreviations

NDA = No data available