

Material Safety Data Sheet

Section 1: PRODUCT AND COMPANY INFORMATION

Product Name(s): Windguard

Product Identifiers: Windguard

Manufacturer:
Lafarge North America Inc.
12018 Sunrise Valley Drive, Suite 500
Reston, VA 20191




Information Telephone Number:
703-480-3600 (9am to 5pm EST)
Emergency Telephone Number:
1-800-451-8346 (3E Hotline)

Product Use: Windguard is an evaporation reducer for concrete flatwork and it helps reduce surface moisture evaporation.

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

Component	Percent (By Weight)	CAS Number	OSHA PEL -TWA (ppm)	ACGIH TLV-TWA (ppm)	LD ₅₀ (Rat, Oral)	LC ₅₀
Aromatic Hydrocarbon	< 1	64742-95-6	NA	NA	8400 mg/kg	NA

Section 3: HAZARD IDENTIFICATION

	WARNING	 Eye Protection  Chemical Gloves
	<p>Irritant: Causes eye, skin and inhalation irritation</p> <p>Use proper engineering controls, work practices, and personal protective equipment to prevent exposure to wet or dry product.</p> <p>Read MSDS for details.</p>	

Emergency Overview: Windguard is an opaque yellowish liquid. Exposure to Windguard causes skin irritation and may cause irritation to mucous membranes and headache when inhaled.

Potential Health Effects:

Eye Contact: Airborne mist may cause immediate or delayed irritation or inflammation. Eye exposures require immediate first aid and medical attention to prevent significant damage to the eye.

Skin Contact: Windguard may cause dry skin, discomfort, and irritation.

Inhalation: Breathing aerosol may cause nose, throat or lung irritation, and headache, depending on the degree of exposure.

Ingestion: Do not ingest Windguard. Although ingestion of small quantities of Windguard is not known to be harmful, ingestion of large quantities can cause irritation in the digestive tract.

Section 4: FIRST AID MEASURES

Eye Contact:	Rinse eyes thoroughly with water for at least 15 minutes, including under lids. Seek medical attention.
Skin Contact:	Remove contaminated clothing. Wash with cool water and a pH neutral soap or a mild skin detergent. Seek medical attention if irritation persists, and for prolonged unprotected exposures to wet cement, cement mixtures or liquids from wet cement.
Inhalation:	Move person to fresh air. Seek medical attention for discomfort or if coughing or other symptoms do not subside.
Ingestion:	Do not induce vomiting. If conscious, have person drink plenty of water. Seek medical attention or contact poison control center immediately.

Section 5: FIREFIGHTING MEASURES

Flashpoint & Method:	Non-combustible	Firefighting Equipment:	Windguard poses no fire-related hazard. A SCBA is recommended to limit exposures to combustion products when fighting any fire.
General Hazard:	Avoid breathing aerosol.		
Extinguishing Media:	Use extinguishing media appropriate for surrounding fire.		
Combustion Products:	None.		

Section 6: ACCIDENTAL RELEASE MEASURES

General:	Determine and eliminate source of leak. Contain spill, and vacuum up liquid or use absorbent media. Rinse residual stain with water. Avoid inhalation of Windguard and contact with skin. Wear appropriate protective equipment as described in Section 8. Do not wash Windguard down sewage and drainage systems or into bodies of water (e.g. streams).
Waste Disposal Method:	Dispose of Windguard according to Federal, State, Provincial and Local regulations.

Section 7: HANDLING AND STORAGE

General:	Store Windguard in a cool, dry place. Keep lid tightly sealed when product is not in use. Stack containers of material in a secure manner to prevent falling. Do not stack more than 2 buckets high to prevent container failure. Windguard containers are heavy and pose risks such as sprains and strains to the back, arms, shoulders and legs during lifting and mixing. Handle with care and use appropriate control measures.		
Usage:	Use all appropriate control measures when using Windguard, and Personal Protective Equipment (PPE) described in Section 8 below.		
Housekeeping:	Avoid actions that cause Windguard to become airborne during clean-up. Use vacuum or absorbent material to clean-up spills. Use PPE described in Section 8 below.		
Storage Temperature:	Keep from freezing.	Storage Pressure:	Unlimited.
Clothing:	Promptly remove and launder clothing that is wet with Windguard and cement products. Thoroughly wash skin after exposure to Windguard.		

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits.

Personal Protective Equipment (PPE):

Respiratory Protection: Under ordinary conditions no respiratory protection is required. Wear a NIOSH approved respirator that is properly fitted and is in good condition when exposed to chemicals above exposure limits.

Eye Protection: Wear ANSI approved glasses or safety goggles when handling Windguard to prevent contact with eyes. Wearing contact lenses when using Windguard, is not recommended.

Skin Protection: Wear gloves, boot covers and protective clothing impervious to chemicals to prevent skin contact. Do not rely on barrier creams, in place of impervious gloves. Remove clothing and protective equipment that becomes saturated with Windguard and immediately wash exposed areas.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid.	Evaporation Rate:	NA.
Appearance:	Opaque yellowish liquid.	pH (in water):	NA
Odor:	Mild.	Boiling Point:	100°C
Vapor Pressure:	NA.	Freezing Point:	0°C
Vapor Density:	> air	Percent Volatile:	1%
Specific Gravity:	1.01 g/cm ³	Solubility in Water:	100%

Section 10: STABILITY AND REACTIVITY

Stability: Stable. Avoid contact with incompatible materials.

Incompatibility: Windguard is incompatible with strong mineral acids.

Hazardous Polymerization: None.

Hazardous Decomposition: After water has evaporated, can decompose to oxides of Carbon, Nitrogen and various unknown hydrocarbons from incomplete combustion.

Section 11 and 12: TOXICOLOGICAL AND ECOLOGICAL INFORMATION

For questions regarding toxicological and ecological information refer to contact information in Section 1.

Section 13: DISPOSAL CONSIDERATIONS

Dispose of waste and containers in compliance with applicable Federal, State, Provincial and Local regulations.

Section 14: TRANSPORT INFORMATION


This product is not classified as a Hazardous Material under U.S. DOT or Canadian TDG regulations.

Section 15: REGULATORY INFORMATION

OSHA/MSHA Hazard Communication: This product is considered by OSHA/MSHA to be a hazardous chemical and should be included in the employer's hazard communication program.

CERCLA/SUPERFUND: This product is not listed as a CERCLA hazardous substance.

Section 15: REGULATORY INFORMATION (continued)

EPCRA SARA Title III:	This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 and is considered a hazardous chemical.
EPCRA SARA Section 313:	This product contains none of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
RCRA:	If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.
TSCA:	Ingredients of this product are listed in the inventory of TSCA Section 8(b).
California Proposition 65:	Ingredients of this product are exempt from reporting.
WHMIS/DSL: 	This product is classified as D2B and is subject to WHMIS requirements.

Section 16: OTHER INFORMATION
Abbreviations:

>	Greater than	NFPA	National Fire Protection Association
ACGIH	American Conference of Governmental Industrial Hygienists	NIOSH	National Institute for Occupational Safety and Health
CAS No	Chemical Abstract Service number		
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act	NTP	National Toxicology Program
		OSHA	Occupational Safety and Health Administration
CFR	Code for Federal Regulations	PEL	Permissible Exposure Limit
CL	Ceiling Limit	pH	Negative log of hydrogen ion
DOT	U.S. Department of Transportation	PPE	Personal Protective Equipment
EST	Eastern Standard Time	ppm	Parts per million
HEPA	High-Efficiency Particulate Air	R	Respirable Particulate
HMIS	Hazardous Materials Identification System	RCRA	Resource Conservation and Recovery Act
IARC	International Agency for Research on Cancer	SARA	Superfund Amendments and Reauthorization Act
LC ₅₀	Lethal Concentration	T	Total Particulate
LD ₅₀	Lethal Dose	TDG	Transportation of Dangerous Goods
mg/m ³	Milligrams per cubic meter	TLV	Threshold Limit Value
MSHA	Mine Safety and Health Administration	TWA	Time Weighted Average (8 hour)
NA	Not Applicable	WHMIS	Workplace Hazardous Materials Information System

This MSDS (Sections 1-16) was revised on March 1, 2011.

An electronic version of this MSDS is available at: www.lafarge-na.com under the Sustainability section.

Section 16: OTHER INFORMATION (continued)

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