

**L.T.M. LEBANESE TEXTILE MILLS**  
**BLDG. 27, ST. ELIAS STREET**  
**MKALLES, LEBANON,**

## Section I. Chemical Product and Company Identification

<b>Product Name/Trade Name</b>	D-SCALE MILKST. LIME SCALE AVM	<b>Code</b>	1367
<b>Chemical Family</b>	Alkyl aryl polyglycol ether. (Acid)	<b>In case of Emergency</b>	
	950 Michelin Laval (Quebec) H7L 5C1		

## Section II. Composition and Information on Ingredients

<b>Name</b>	<b>CAS #</b>	<b>% by Weight</b>	<b>TLV/PEL</b>	<b>LC50/LD50</b>
Phosphoric Acid	7664-38-2	30-60	Not available.	ORAL (LD50): Acute: 1530 mg/kg [Rat.]. DERMAL (LD50): Acute: 2740 mg/kg [Rabbit].
Nonyl phenol ethoxylate	9016-45-9	1-5	Not available.	ORAL (LD50): Acute: 1310 mg/kg [Rat].

## Section III. Hazards Identification

<b>Potential Acute Health Effects</b>	Dangerous in case of skin contact (corrosive, irritant, permeator), of ingestion, of eye contact (corrosive, irritant). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns.
<b>Potential Chronic Health Effects</b>	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged contact with spray mist may produce chronic eye, skin and respiratory tract irritation.

## Section IV. First Aid Measures

<b>Eye contact</b>	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. DO NOT use an eye ointment. Seek medical attention.
<b>Skin contact</b>	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
<b>Hazardous Skin Contact</b>	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
<b>Inhalation</b>	Allow to rest in a well ventilated area. If discomfort persists seek medical attention.
<b>Hazardous Inhalation</b>	Not applicable.
<b>Ingestion</b>	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.
<b>Hazardous Ingestion</b>	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested. Loosen tight clothing. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

## Section V. Fire and Explosion Data

<b>Flammability of the Product</b>	Non-flammable.
<b>Auto-Ignition Temperature</b>	Not applicable.
<b>Flash Points</b>	Not applicable.
<b>Flammable Limits</b>	Not applicable.
<b>Products of Combustion</b>	Carbon oxides (CO, CO2), phosphates.
<b>Fire Hazards in Presence of Various Substances</b>	Not applicable.
<b>Explosion Hazards</b>	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
<b>Fire Fighting Media and</b>	Use DRY chemicals, CO2, water spray or foam.

## Section VI. Accidental Release Measures

<b>Small Spill</b>	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate.
<b>Large Spill</b>	Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of sodium carbonate.

## Section VII. Handling and Storage

<b>Precautions</b>	S1/2- Keep locked up and out of the reach of children. S23- Do not breathe gas/fumes/vapor/spray S24/25- Avoid contact with skin and eyes. S26- In
<b>Storage</b>	Store in a dry, cool and well ventilated area. Keep away from incompatibles. Strong acids that are not strong oxidants should be stored in a separate safety storage cabinet or room. Keep away from direct sunlight or strong incandescent light. This product should be stored away from oxidizing materials and strong bases.

## Section VIII. Exposure Controls/Personal Protection

<b>Gloves</b>	Gloves (impervious)
<b>Respiratory</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Eyes</b>	Splash goggles.
<b>Other</b>	Full suit, apron, face shield, boots: are recommended under exceptional circumstances such as fire, spill, or for prolonged contact with bulk quantities.
<b>Exposure Limits</b>	See Section II

## Section IX. Physical and Chemical Properties

<b>Physical state and appearance</b>	Liquid.	<b>Odor</b>	Odorless.
<b>Boiling point</b>	100°C (212°F)	<b>Taste</b>	Not available.
<b>Melting Point</b>	0°C (32°F)	<b>Color</b>	Clear Green.
<b>Critical Temperature</b>	Not available.	<b>Molecular Weight</b>	Not applicable.

<b>Volatility</b>	70% (v/v).	<b>pH (in Water)</b>	Acidic.
<b>Evaporation Rate</b>	Not available.	<b>pH (concentrate)</b>	Not available.
<b>Vapor Pressure</b>	17.2 mm of Hg (@ 20°C) (Water).	<b>Vapor density</b>	Weighted average: 1 (Air = 1)
<b>Inocity (in Water)</b>	Non-ionic.	<b>Specific Gravity</b>	1.27 (Water = 1)
<b>Dispersion Properties</b>	Very slightly dispersed in n-octanol. See solubility in water, methanol, diethyl ether.	<b>Viscosity</b>	Not available.
<b>Solubility</b>	Easily soluble in cold water, hot water, methanol. Soluble in diethyl ether. Very slightly soluble in n-octanol.	<b>Odor Threshold</b>	Not available.

### Section X. Stability and Reactive Data

<b>Stability</b>	The product is stable.
<b>Instability Temperature</b>	Not available.
<b>Conditions of Instability</b>	No additional remark.
<b>Incompatibility with Various Substances</b>	Incompatible with alkalis, oxidizing agents, organic materials, acids and reducing agents.
<b>Corrosivity</b>	Non-corrosive in presence of glass, of aluminum, of zinc, of copper, of stainless steel(304), of stainless steel(316).

### Section XI. Toxicological Information

<b>Routes of Entry</b>	Ingestion. Skin contact. Eye contact. Inhalation.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 2655 mg/kg (Rat) (Calculated value for the mixture). Acute dermal toxicity (LD50): 2740 mg/kg (Rabbit.) (Phosphoric acid).
<b>Chronic Effects on Humans</b>	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged contact with spray mist may produce chronic eye, skin and respiratory tract irritation.
<b>Engineering Controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

### Section XII. Ecological Information

<b>Ecotoxicity</b>	Moderate.
<b>BOD5 and COD</b>	Not available.
<b>Products of Biodegradation</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>Toxicity of the Products of Biodegradation</b>	The products of degradation are less toxic than the product itself.

### Section XIII. Disposal Considerations

<b>Waste Disposal</b>	Dispose of material according to regional, provincial and federal regulations.
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### Section XIV. Transport Information

<b>ADR Classification</b>	ADR Class 8: Corrosive liquid.
<b>UN/NA</b>	
<b>Packing Group</b>	III
<b>Special Provisions for Transport</b>	No additional remark.

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### Section XV. Other Regulatory Information

<b>DSCL (Classification)</b>	R22- Harmful if ingested. R34- Causes burns.
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### Section XVI. Other Information

#### References

Validated by the Regulatory Affaires Department on 99-12-01

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