

# SAFETY DATA SHEET

## Valumax

### SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name:	Valumax
Product Use:	Industrial Dishwash Detergent
Supplier Name and Address:	Corpack Canada 16 Seapark Drive, St. Catharines, ON L2M 6S6
Telephone:	: (905) 682-8888
Emergency Telephone:	: CANUTEC (613) 996-6666

### SECTION 2 - HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

<b>Physical State:</b>	Liquid
<b>GHS Classification:</b>	
Skin Irritation:	Category 1C
Eye Irritation:	Category 1
Acute Toxicity:	Category 1
<b>GHS Label Elements:</b>	
Hazard Pictograms	



Signal Word:	Danger
Hazard Statements:	H302 Harmful if swallowed H312 Harmful in contact with skin H318 Causes serious eye damage
Precautionary Statements:	<b>Prevention</b> P102 Keep out of reach of children P262 Do not get in eyes, on skin, or on clothing P284 In case of inadequate ventilation wear respiratory protection <b>Response</b> P302 IF ON SKIN: Flush with plenty of water for at least 15 minutes P305 IF IN EYES: Flush with plenty of water for at least 15 minutes P332+P313 If skin irritation persists, get medical attention
<b>Potential Health Effects:</b>	
Inhalation	: Strongly irritating to the eyes, nose, throat and lungs. High concentration of vapours will cause irritation. Similar effects with misting the product.
Skin	: Dangerous in case of skin contact. Causes burns. Symptoms may be delayed.
Eyes	: Contact can result in tissue damage.
Ingestion	: Harmful or fatal if swallowed.
Aggravated Medical Condition	: None known



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Symptoms of Overexposure

: See section 11.

### SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

#### HAZARDOUS INGREDIENTS

Chemical Name	CAS-No.	Concentration [%]
Potassium Hydroxide	1310-58-3	10-20
Anionic Surfactant	Not Available	1-3
Sodium Xylene Sulfonate	1300-72-7	2-5

### SECTION 4 - FIRST-AID MEASURES

<b>General Advice</b>	: Move out of dangerous area Consult a physician Show this Safety Data Sheet to the doctor in attendance
<b>Inhalation</b>	: Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical attention immediately.
<b>Skin Contact</b>	: Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Seek medical attention if irritation develops/persists.
<b>Eye Contact</b>	: If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Get medical attention if irritation develops and persists. Rinse with water. Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Seek medical attention if irritation develops.
<b>Ingestion</b>	: Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Seek medical attention, or contact poison control centre immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. IF SWALLOWED: immediately call a POISON CENTRE or doctor/physician.

### SECTION 5 - FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	: Alcohol foam, carbon dioxide, dry chemical
<b>Specific hazards arising from the chemical</b>	: None known
<b>Special protective actions for fire-fighters</b>	: None
<b>Additional advice</b>	: None

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### SECTION 6 - ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	: Wear appropriate protective equipment.
<b>Environmental precautions</b>	: Prevent entry into sewers or streams. Dike if needed. The bacteria and carriers are naturally occurring and should not pose an environmental risk.
<b>Methods and materials for containment/ cleaning up</b>	: Vacuum or sweep up avoiding generation of mist. Place in suitable labeled containers and hold for waste disposal. Wash spill site with water.
<b>Additional advice</b>	: None

### SECTION 7 - HANDLING AND STORAGE

<b>Precautions for safe handling</b>	: Use of nitrile gloves and eye protection is optional.
<b>Conditions for safe storage</b>	: Keep out of reach of children. Do not freeze. Store in a closed container away from incompatible materials as provided in Section 10.
<b>Other data</b>	: Do not freeze.

### SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

<b>Control parameters</b>	: Not available
<b>Engineering Controls</b>	: Normal building ventilation is adequate. Ensure that eyewash stations and safety showers are close to the workstation location
<b>Personal Protective Equipment</b>	
Eye/face protection	: Safety glasses with side shields when there is potential for eye contact. Face shield also recommended for handling large amounts. Contact lenses should not be worn
Hand protection	: Nitrile or rubber gloves are recommended
Skin protection	: Protective coveralls or thick clothing that covers exposed skin
Respiratory protection	: Wear a NIOSH/MSHA approved air-purifying respirator equipped with chlorine cartridges when vapours reach high levels
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice When using do not eat or drink When using do not smoke Wash hands before breaks and at the end of the workday

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	: Clear bright red liquid
<b>Odor:</b>	: Citrus
<b>Odor Threshold:</b>	: Not available
<b>pH:</b>	: 13.51
<b>Melting point/ freezing point:</b>	: Not available
<b>Initial boiling point and boiling range:</b>	: Not available
<b>Flash point:</b>	: Not available
<b>Evaporation rate:</b>	: Not available
<b>Flammability (solid, gas):</b>	: Not available
<b>Upper/lower flammability or explosive limits:</b>	: Not available
<b>Vapour pressure:</b>	: Not available
<b>Vapour density:</b>	: Not available
<b>Relative density (g/mL):</b>	: 1.06
<b>Water solubility:</b>	: Not available





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Mobility in soil:	: Not available
Other adverse effects:	: Not available
<b>Toxicology Data for Ingredients:</b>	
<b>Potassium Hydroxide</b>	
Toxicity:	: LC 50 (Guppy (Poecilia reticulata), 24 h): 165 mg/l Mortality LC 50 (Western mosquitofish (Gambusia affinis), 96 h): 80 mg/l Mortality
Persistence and degradability:	: Not available
Bioaccumulative potential:	: Not available
Mobility in soil:	: Not available
Other adverse effects:	: Not available
<b>Anionic Surfactant</b>	
Toxicity:	: LC50 Not available LC50 Not available
Persistence and degradability:	: Not available
Bioaccumulative potential:	: Not available
Mobility in soil:	: Not available
Other adverse effects:	: Not available
<b>Sodium Xylene Sulfonate</b>	
Toxicity:	: Acute EC50 48 hours Static Daphnia >1000 Acute EbC50 (biomass) 96 hours Static Algae >230 mg/l Acute ErC50 (growth rate) 3 hours Static Bacteria >1000 Acute LC50 96 hours Static Fish >1000 Chronic NOEC 96 hours Static Algae 31 mg/l
Persistence and degradability:	: Readily biodegradable
Bioaccumulative potential:	: LogPow -3.12, Low
Mobility in Soil:	: Not available
Other adverse effects:	: No known significant effects or critical hazards.

### SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Product</b>	: Sanitary sewer or dry absorbent if available. For large quantities, contact local environmental department or government authorities Do not dispose in drains, waterways, or soil Do not contaminate ponds, or ditches with chemical or the used container
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### SECTION 14 - TRANSPORT INFORMATION

<b>UN Number</b>	: Not available
<b>UN Proper Shipping Name</b>	: Not available
<b>Transport hazard class(es)</b>	: Not available
<b>Packing group, if applicable</b>	: Not available
<b>Environmental hazards</b>	: Not available
<b>Special precautions for user</b>	: Not Available
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	: Not applicable

### SECTION 15 - REGULATORY INFORMATION

<b>WHMIS Status</b>	: Not known
<b>WHMIS classification</b>	: Class E

### SECTION 16 - OTHER INFORMATION



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