

MATERIAL SAFETY DATA SHEET – 16 SECTIONS

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier <i>Lonestar+ 600</i>		(WHMIS Classification) <i>Health</i>	
Product Use <i>Industrial Cleaning Compound/Aqueous Solution</i>			
Manufacturers Name <i>Alklean Industries, Inc.</i>		Suppliers Name <i>Alklean Industries, Inc.</i>	
Street Address <i>2111 Catalina</i>		Street Address <i>2111 Catalina</i>	
City <i>Pasadena</i>	State <i>Texas</i>	City <i>Pasadena</i>	State <i>Texas</i>
Postal Code <i>77503</i>	Emergency Telephone <i>800-535-5053</i>	Postal Code <i>77503</i>	Emergency Telephone <i>800-535-5053</i>
Date MSDS Prepared <i>7/10/2010</i>	MSDS Prepared By <i>R. L. Barnum</i>	Phone Number <i>832-262-3409</i>	

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	CAS Number	LD50 of ingredient (specify species and route)	LC50 of ingredient (specify species and route)
<i>Sodium Hydroxide</i>	<i>0.5%</i>	<i>1310-73-2</i>	<i>Hydroxide</i>	<i>1mg/kg</i>
<i>Glycol Ether (EB)</i>	<i>0.1%</i>	<i>111-76-2</i>	<i>Glycol</i>	<i>50 ppm</i>
<i>Isopropyl Alcohol</i>	<i>0.1%</i>	<i>67-63-0</i>	<i>Alcohol</i>	<i>400 ppm</i>

SECTION 3 – HAZARDS IDENTIFICATION

Route Of Entry <input checked="" type="checkbox"/> _X_ Skin Contact <input checked="" type="checkbox"/> _X_ Skin Absorption <input type="checkbox"/> _X_ Eye Contact <input type="checkbox"/> _X_ Inhalation <input type="checkbox"/> _X_ Ingestion
(Emergency Overview) <i>Copious Amounts Of Water Will Dilute Affected Areas</i>
(WHMIS Symbols) <i>GHS General Health Hazards</i>
(Potential Health Effects) <i>Exposure To Non Diluted Form May Cause Irritation To Eyes, Skin, Inhalation And Ingestion, Such As Most Chemical Compounds.</i>

SECTION 4 – FIRST AID MEASURES

Skin Contact <i>Flush With Copious Amounts Of Water For 15 To 20 Minutes</i>
Eye Contact <i>Flush With Copious Amounts Of Water And Get Medical Aid</i>
Inhalation <i>Remove To Fresh Air; Give Oxygen If Breathing Is Labored; Get Medical Aid.</i>
Ingestion <i>Do "Not" Induce Vomiting; Give Potable Water By Mouth If Conscious, Get Medical Aid. Never Try To Give An Unconscious Person Anything By Mouth.</i>

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(Optional Not Required by WHMIS)

Product Identifier

Section 5 – FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If Yes, Under Which Conditions? N/A	
Means Of Extinction N/A			
Flashpoint (° C) Method N/A	Upper Flammable Limit (% By Volume) N/A	Lower Flammable Limit (% By Volume) N/A	
Auto Ignition Temperature(° C) N/A	Explosion Data – Sensitivity To Impact N/A	Explosion Data – Sensitivity To Static Discharge N/A	
Hazardous Combustion Products None			
(NFPA) None			

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak And Spill Procedures <i>Ventilate Area With Forced Air, Dilute With Copious Amounts Of Water.</i>
<i>Safe Absorbent Material May Be Used To Contain Spill Along With Dike.</i>
<i>Use Appropriate Disposal Methods In Accordance With Governing Entities Having Jurisdiction.</i>

SECTION 7 – HANDLING & STORAGE

Handling Procedures And Equipment. <i>Wash Thoroughly After Handling And Remove Contaminated Clothing And Wash Before Reuse. Use With Adequate Ventilation.</i>
<i>Avoid Contact With Eyes, Skin, And Clothing. Keep Container Tightly Closed. Avoid Ingestion And Inhalation.</i>
Storage Requirements. <i>Store In A Cool Dry And Well Ventilated Area Away From Incompatible Substances. Do Not Mix With Oxidizers Or Acids.</i>

SECTION 8 – EXPOSURE CONTROL/ PERSONAL PROTECTION

Exposure Limits NA = _____ ACGIH TLV _____ OSHA PEL _____ Other (specify)
Specific Engineering Controls (Such As Ventilation, Enclosed Process) <i>Provide General Ventilation, Open Air Or Forced Air Area. Follow OSHA PELS (Section 2) Standard.</i>
Personal Protective Equipment _____X_____ Gloves _____X_____ Respirator _____X_____ Eye _____X_____ Footwear _____X_____ Clothing _____ Other
If Checked, Please Specify Type <i>Chemical Protective Rubber Boots And Gloves. Follow OSHA Regulation (29 CFR 1910.134 Respirator Standards, Safety Glasses, Rubber Boots And Protective Clothing.</i>

(Optional Not Required by WHMIS)

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES!

Physical State <i>Blue Liquid</i>	Odor and appearance <i>Clean Aromatic</i>	Odor Threshold (ppm) <i>N/A</i>
Specific Gravity <i>H₂O = 1 at 60 ° F / 4 ° C = 1.01</i>	Vapor density (air=1) <i>1 LB/Gal @ 77 ° 25 ° C (8.9)</i>	Vapor Pressure (mmHg) <i>23.76 @ 25 ° C</i>
Evaporation Rate <i>BUAC=) Not Determined</i>	Boiling Point (° C) <i>100 ° C</i>	Freezing Point (° C) <i>-1.1 ° C</i>
pH <i>10.9 to 11.4 Range</i>	Coefficient of Water/Oil Distribution <i>N/A</i>	(Solubility in water) <i>100%</i>

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> <i>Yes</i> <input type="checkbox"/> <i>NO</i>	If No, Under What Conditions?
Incompatibly With Other Substances <input checked="" type="checkbox"/> <i>Yes</i> <input type="checkbox"/> <i>NO</i>	If Yes Which Ones <i>All Free Acid Type Compounds, chlorinated Hydrocarbons, Acetone or Oxidizers</i>
Reactivity Under What Conditions <i>None Known</i>	
Hazardous Decomposition Products <i>None found</i>	

SECTION 11 – TOXICOLOGICAL INFORMATION

Effects Of Acute Exposure <i>If Prolonged Exposure Occurs, Drying Of Skin, Eyes Watering, And Or Labored Breathing Could Occur.</i>	
Effects of Chronis Exposure <i>If Prolonged Exposure Occurs, Drying Of Skin, Eyes Watering, And Or Labored Breathing Could Occur.</i>	
Irritancy of Product <i>Slight, Drying Skin, and Eyes</i>	
Skin Sensitization <i>Drying</i>	Respiratory Sensitization <i>Burning Sensation</i>
Carcinogenicity – IARC <i>N/A</i>	Carcinogenicity – ACGIH <i>N/A</i>
Reproductive Toxicity <i>N/A</i>	Teratogenicity <i>N/A</i>
Embryotoxicity <i>N/A</i>	Mutagenicity <i>N/A</i>
Name of Synergistic Products/Effects	

(Optional Not Required by WHMIS)

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SECTION 12 – ECOLOGICAL INFORMATION

Aquatic Toxicity <i>None found</i>

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal <i>Follow Applicable Federal, State, and Local Regulations. Safe Compound</i>

SECTION 14 – TRANSPORT INFORMATION

Special Shipping Information <i>None Required, Safe Compound Liquid</i>	
TDG <i>N/A</i>	(DOT) <i>Not Required</i>
(IMO) <i>N/A</i>	(ICAO) <i>N/A</i>

SECTION 15 – REGULATORY INFORMATION

(WHMIS Classification) <i>1 Under Health</i>	(OSHA) <i>Standard 1910.134</i>
(SERA)	(TSCA) <i>N/A</i>
This Product Has Been Classified In Accordance With The Hazard Criteria Of the Controlled Products Regulations (CPR) and the MSDS Contains All Of The Information Required By CPR.	

SECTION 16 – OTHER INFORMATION

<i>Safe Aqueous Cleaning Solution With Minimal Hazards.</i>
Disclaimer: All Information, Recommendations And Suggestions Appearing Herein Are Based Upon Sources Believed To Be Reliable. However, It Is The User's Responsibility To Determine The Safety, Toxicity, And Suitability For Their Own Use Of This Product. ALKLEAN DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE USE OF THIS PRODUCT BY OTHERS.

(Optional Not Required by WHMIS)