Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard. 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupation Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072

IDENTITY (As Used on Label and List)		Note: Blank s	enaces are not i	permitted If a	ny itam is not applicable or no			
Pretreat Plus TM 0100			Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.					
Antiscalant		Illioiniation	s available, tite	space must be	e marked to indicate that.			
Section I								
Manufacturer's Name		Emergency T	Telephone Num	ber				
King Lee Technologies			1-800-424-9300 (Chemtrec)					
Address (Number, Street, City, State and ZIP Code)			Telephone Number for Information					
8949 Kenamar Drive Bldg. 107		(858) 693	(858) 693-4062					
		Date Prepare	ed					
San Diego, CA 92121		March 1, 2	March 1, 2014					
		Signature of	Preparer (Optio	nal)				
Section II - Hazardous Ingredier	nts/Identity Inf							
		Other Limits						
Hazardous Components (Specific Che					Recommended % (optional)			
This product is a proprietary for		<u> </u>						
Complying with 29 CFR 1910.1200 (d), each ingredient in this formulation has been reviewed with the "Guide								
to Occupational Exposure Val	ues - 2005" p	ublished by A	ACGIH. No	ne of the in	ngredients have listed occupational			
exposure values, and can be co	onsidered gen	erally safe if	handled wit	h due care	a mild solution			
of the following acids:								
Phosph	orous Acid C	AS No. 2809	9-21-4, and r	elated phos	sphonic acids.			
			•	•	1			
Section III - Physical/Chemical (haractoristic	e U O Soluti	ion (NA= Not	Annliachla)				
Boiling Point	I	5 1120 301uti	Specific Gravi					
	> 10	$00^0 \mathrm{C}$	Specific Gravi	y (11 <u>2</u> 0–1)	1.06			
Vapor Pressure (mm Hg.)					NA			
(at 20 ⁰ C)	As w	As water.						
Vapor Density (AIR= 1)	NA		Evaporation R	ate	NA			
			(Butyl Acetate	= 1)				
Solubility in Water								
Comple	tely Soluble							
Appearance and Odor Clear, c	olorless, odo	rless solution	n.					
Section IV - Fire and Explosion								
Flash Point (Method Used)	(Flammable	ELimits)		LEL	LEL			
NA	NA			NA	NA			
Extinguishing Media			NFPA					
	trictions		Health Hazard 3, Fire Hazard 0, Reactivity 0					
Special Fire Fighting Procedures								
Persons exposed to products of combustion should wear								
self-contained breathing apparatus and full protective equipment.								
Unusual Fire and Explosion Hazards								
Product	can form fla	mmable pho	sphine gas w	hen heated	l above 250 ⁰ C			

	Reactivity D	ata				
Stability	Unstable Conditions to Avoid					
				Avoid heat and direct sun.		
		Stable	X			
Incompatibility	y (Materials to	Avoid)				
Avoid cont	act with car	ustic and strong oxidiz	ing agents.			
Hazardous Decomposition or Byproducts						
If involved in a fire, oxides of phosphorous may be generated. Phosphine gas may be formed						
when heated beyond the evaporation of all the water.						
Hazardous	•	May Occur		Conditions to Avoid		
Polymerizatio	n			NA		
		Will Not Occur	X			
Section VI -	Health Haza	ard Data				
Route(s) of Er	ntry:	Inhalation?	SI	kin? Ingestion?		
Health Hazard	ds (Acute and	Chronic) Strong	irritant; m	ay cause burning of mucous membranes, eyes and skin		
Carcinogenici	ty:	NTP?		ARC Monographs? OSHA Regulated?		
		NO		NO NO		
Signs and Symptoms of Exposure Irritation and burning of eyes, skin, digestive or respiratory tract.						
Medical Cond	itions					
	gravated by Ex		Exposed v	wounds.		
	nd First Aid Pr					
-		•		m skin with soap and water. Inhaled - Remove subject		
to fresh air	. Ingestion-	- rinse mouth and throa	ıt. Drink w	vater or milk. In all cases, call or see a physician.		
Section VII	- Precaution	s for Safe Handling and	d Use			
Steps to Be T	aken in Case I	Material is Released or Spill	ed			
	_			ar ahead of spill for later recovery or disposal. Notify		
		Immediate clean up re	commende	ed.		
Waste Dispos						
		_	local, state	and federal regulations.		
		th water into sewer.				
Precautions to Be Taken in Handling and Storing Store in sealed drums kept in cool, dry place.						
Other Precaut		tore in scarca aranis ke	pt III cooi,	try place.		
		ment if possible.				
Section VIII	- Control M	easures				
Respiratory Protection (Specific Type)						
Use NIOSH approved respirator if conditions warrant.						
Ventilation	Local Exhaust (Under Normal use)			Special		
		ntilation not required.				
	Mechanical (C	,		Other		
Droto otivo Cla		NA		NA NA		
Protective Gloves Water impenetrable gloves that can be washed			h	Eye Protection Chemical safety goggles recommendable		
Other Protective Clothing or Equipment				Chemical safety goggies recommendable		
		prevent contamination	of street clo	othes.		
Work/Hygienic Practices						

Wash gloves and hands before touching anything else.

PRETREAT PLUS 0100

March 1, 2014

Section IX - Transportation Information

DOT Hazardous Classification -

Not considered hazardous by the U.S. Department of Transportation (DOT)

TDG Canadian Transpotation -

Not considered hazardous under Transportation of Dangerous Goods (TDG)

International Transportation -

Products has no UN number, and is not regulated under international rail, road, water or air transport regulations.

Section X - Ecological Information

This product is non-hazardous and non-toxic.

Section XI - Regulatory Information

This product is certified under ANSI-NSF Standard 60 for the production of drinking water with reverse osmosis membranes. Ratings under Hazardous Materials Identification Systems (H.M.I.S.): Heath=1; F=0; R=0; P=0.

Section XII - Other Information

None.