Protective Equipment

# **SAFETY DATA SHEET**

SECTION – 1		T AND COMPANY IDE					
			THEIGATION				7004
						<b>ITEM</b> 607	/004
PRODUCT USE	Non-Foaming Lime	Scale Remover					
COMPANY NAME	-	0	Office	(855) 962-46	687		
	3680 W Royal Lane, Irving, TX 75063	, Suite# 155A	Fax		11 A		
			Web	www.magnu			
	EMERGENCY TELE		CHEMIREC	<b>(800) 424-9</b>	300		
SECTION – 2	HAZARDS INFORMAT						
	CORROSIVE TO METALS-0 EYES-Category 1; SKIN-Cat	0,					
						Eye Da	ive to Metals amage orrosion/Burns
Danger	May be corrosive to m	netals					
	Causes severe skin b		e				
	May be harmful if swa drink while using, Use thoroughly after hand	e proper Safety Equip	ment, safety gla	sses, or goggl			
SECTION – 3	COMPOSITION INFO	RMATION	(Exa	ct percentage of the	listed chemicals of comp	osition has been withheld as a	a trade secret)
CHEMICAL NAME	<u> </u>	MMON NAME AND SY	NONYMS	CAS #	IMPUR	RITIES	PERCEN
Phosphoric Acid	Mon	ophosphoric Acid, Orthopho	sphoric Acid 7	664-38-2			10 - 30%
Citric Acid				77-92-9			1 - 5
SECTION – 4	FIRST AID MEASURE	S					
EYE CONTACT	lenses if present		out injury to the e	eye and contin		wer eyelids, Remove mmediate medical at	
SKIN CONTACT						at least 15 minutes, R btain medical attentic	
INHALATION	Move person to attention	fresh air, if they have	problem breathi	ng, show sign	s of overexposure of	or feel unwell obtain r	nedical
INGESTION	immediate medie	E VOMITING. If pers cal attention. If vomiti				ater to dilute and obta ation into the lungs	ain
Aspiration Hazar	d Not applicable						
ACI	UTE SYMPTOMS OF S	INGLE OVEREXPOSU	RE				
Eyes		eye irritation, redness	-	-		sible eye damage	
Skin		skin irritation, itching,			corrosive burns		
Inhalation		cause mild irritation, f					
Ingestion	-				uth, throat, esophag	gus, and gastrointesti	nal tract
<u>CHRO</u>	NIC SYMPTOMS OF P	ROLONGED OR REPR	EATED OVEREXP	<u>OSURE</u>			
Eyes			-			ns, partial or complet	e blindnes
Skin		skin damage, inflamr	-	-		rns	
Inhalation	Spray mist may cause irritation, to mucus membranes or respiratory tract						
	May be harmful i		corrosive hurns	of the mouth,	throat, esophagus	, stomach, and gastro	ointestinal
-	tract, Symptoms	if swallowed, Causes may include, nausea		minal pain			
-		may include, nausea		minal pain		_	
Ingestion SECTION – 5 Extinguishing Me	tract, Symptoms	may include, nausea	a, vomiting, abdo			-	
SECTION – 5	tract, Symptoms FIRE FIGHTING MEAS Idia Not flamm	may include, nausea SURES nable: Use extinguish or thermal decomposi	a, vomiting, abdo ning media for su	rrounding fire	oxides, carbon mo	noxide, carbon dioxid	le, and
SECTION – 5 Extinguishing Me Hazardous Decon	tract, Symptoms FIRE FIGHTING MEAS edia Not flamm nposition Burning c other toxi Reactive	may include, nausea SURES nable: Use extinguish or thermal decomposi c fumes with, strong oxidizing	a, vomiting, abdo ning media for su tion can produce	rrounding fire e, phosphorus		noxide, carbon dioxid kaline earth metals, r	
SECTION – 5 Extinguishing Me Hazardous Decon Reactive With	tract, Symptoms FIRE FIGHTING MEAS edia Not flamm mposition Burning c other toxi Reactive Is Not applie	may include, nausea SURES nable: Use extinguish or thermal decomposi c fumes with, strong oxidizing cable	a, vomiting, abdo ning media for su tion can produce	rrounding fire e, phosphorus			
SECTION – 5 Extinguishing Me	tract, Symptoms FIRE FIGHTING MEAS edia Not flamm nposition Burning c other toxi Reactive	may include, nausea SURES nable: Use extinguish or thermal decomposi c fumes with, strong oxidizing cable cable	a, vomiting, abdo ning media for su tion can produce	rrounding fire e, phosphorus			

Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

Page 2 of 5			Scale Clean		<b>Revision Date</b>	12/22/2015					
SECTION – 6 AC	CIDENTAL RELE	ASE MEASURES									
Emergency Procedure	es Warn p	ersonnel of spill, Stop sp	ill or release only if it	t can be done safely							
Personal Precautions	Avoid s	Avoid slipping on spilled product, Keep unprotected personnel from entering the hazard area									
Protective Equipment	Safety G	Safety Glasses, Gloves, Chemical Apron and Rubber Boots									
Containment		Use rags, towels, absorbent socks or pads to prevent spill from spreading, Prevent spill from entering the environment									
Clean Up Procedures		Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water Large Spills: Absorb spill with inert material, place in a chemical waste container, mop area with clean water									
Disposal	Dispose	of material in accordance	ce with all State and	Federal Guidelines and F	Regulations						
SECTION – 7 HA	NDLING AND ST	ORAGE									
Handling		Vash thoroughly after ha		riate safety equipment, D e to the environment, Trip							
Storage		OUT OF REACH OF CHI compatible materials, Ke		iner closed when not in u	se, Store in a cool dry	place away					
Incompatible Material		•		ducing agents, strong bas	ses, alkaline earth met	als, nitrates					
SECTION – 8 EX	POSURE CONTR	OLS / PERSONAL PROTE	CTION								
EXPOSURE LIMITS						Significant					
CHEMICAL NAME		ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Exposure					
Phosphoric Acid Citric Acid		1 mg/m³ None Established	3 mg/m³	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	ED,SD,RT					
PERSONAL PROTECT											
	*										
Chemical Safety Glasse Goggles or Face Shiel	•		Imper Protective		Eye W (Recomm						
Ventilation General Ve	ntilation				<u>HMIS HAZARD</u> R Health Flammability Reactivity Personal Protection	ATINGS 3 0 1 C					
SECTION – 9 PH	YSICAL AND CHI	EMICAL PROPERTIES									
Flash Point	> 93.3ºC (200ºF	) - TAG Closed Cup	Specific	Gravity / Density 1	.087						
Flammable Limits	ND		рН (± 0.3		: 1.0						
Auto-Ignition Temp.	ND		Viscosity								
Physical State	Liquid		Freeze P		· 0°C (32°F)						
Appearance	Clear		Boiling F		- 100°C (212°F)						
Odor Odor Threshold	Mild			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ID						
Odor Threshold	ND		•	( 0,	1D						
Solubility Volatiles	100% < 87%			· /	ID ID						
VOIAtlies	< 87% 0%				· 34.3						
LVP-VOC	0%			,	104.5						
			Decompo								

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	No specific test data related to reactivity available for this product or its ingredients
Chemical Stability	Stable when stored above 4.4°C (40°F) and below 49°C (120°F)
Hazardous Polymerization	Will not occur
<b>Conditions To Avoid</b>	Incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong reducing agents, strong bases, alkaline earth metals, nitrates
Thermal Decomposition	Burning or thermal decomposition can produce, phosphorus oxides, carbon monoxide, carbon dioxide, and other toxic fumes

Page 3 of 5				Revision Date 12/22/2015						
SECTION – 11 TO	OXICOLOGICAL INFORM	ATION								
ROUTES OF EXPOSU	IRE									
Eyes (Yes), Skin (Ye	es), Inhalation (Yes "Mis	t"), Ingestion (Yes)								
ACUTE	SYMPTOMS OF SINGLE	OVEREXPOSURE								
Eyes	Causes serious eye irritation, redness, burning sensation, pain, corrosive burns, or possible eye damage									
Skin	Causes serious skin irritation, itching, redness, burning, or possible corrosive burns									
Inhalation	Spray mist may cause	pray mist may cause mild irritation, to respiratory tract								
Ingestion	May be harmful if swal	be harmful if swallowed, May cause corrosive burns, of the mouth, throat, esophagus, and gastrointestinal tract								
CHRONIC	SYMPTOMS OF PROLO	NGED OR REPEATE								
Eyes	Causes serious eye da	amage, severe pain	, severe corrosive b	urns, corneal inj	ury, lesions, partial	or complete	blindnes			
Skin	Causes serious skin d	-		-						
Inhalation	Spray mist may cause	-								
Ingestion	May be harmful if swal tract, Symptoms may i	lowed, Causes cori	rosive burns, of the	mouth, throat, es	sophagus, stomach,	and gastro	intestinal			
Acute Tox Calculated		5,661 mg/kg	Dermal:	8,556 mg/kg	Inhaled:	> 50.0 m	a/l			
Acute Tox Category	Not applicable (Oral >50		able (Dermal > 5000 m	, 0 0			0			
Additional Info				·9/··9/, ···· ··· ··· ··· ···		_,				
Target Organs	Mucous Membranes,	Eves (Lens or corne	ea), Skin							
Medical Conditions	Preexisting, eye, skin,	, ,	, ·	ted by exposure	to this product					
Notes to Physician	In case of ingestion, g	•		• •	•	orption				
-	is product contains con	-								
CHEMICAL NAME	NTP	ACGIH		IARC	GH	S Category				
None Listed	NA	NA	<u>-</u>	NA	<u>on</u> NA					
INO TAGENIO AND RE			aine concontratione a	above 0.1% of the	following					
CHEMICAL NAME		•	ains concentrations a							
	Germ Cell Mutag	•	ains concentrations a	Toxic to Repr						
CHEMICAL NAME None Listed	<u>Germ Cell Mutag</u> NA	•	ains concentrations a							
None Listed	<u>Germ Cell Mutag</u> NA <u>E TOXICITY</u>	enicity		<u>Toxic to Repr</u> NA	oduction	CHS C	btogory			
None Listed COMPONENTS ACUT CHEMICAL NAME	<u>Germ Cell Mutag</u> NA <u>E TOXICITY</u> <u>Type</u>	enicity Form	<u>Subject</u>	Toxic to Repro NA <u>Result Value</u>		<u>GHS C</u>				
None Listed COMPONENTS ACUT CHEMICAL NAME	Germ Cell Mutag NA E TOXICITY Type LD50	enicity		<u>Toxic to Repr</u> NA	oduction	<u>GHS C</u> ; 4 (>300, ≤2				
None Listed COMPONENTS ACUT CHEMICAL NAME	<u>Germ Cell Mutag</u> NA <u>E TOXICITY</u> <u>Type</u>	enicity <u>Form</u> Oral	<u>Subject</u>	Toxic to Repre NA <u>Result Value</u> 1,530 mg/kg	oduction	4 (>300, ≤2				
None Listed COMPONENTS ACUT CHEMICAL NAME Phosphoric Acid	Germ Cell Mutag NA E TOXICITY LD50 LC50	enicity Form Oral Inhaled	<u>Subject</u> Rat	Toxic to Represent NA Result Value 1,530 mg/kg No data listed	oduction	4 (>300, ≤2 (>2000	000 mg/kg			
None Listed COMPONENTS ACUT CHEMICAL NAME Phosphoric Acid Citric Acid	Germ Cell Mutag NA E TOXICITY LD50 LC50 LD50 LD50 LD50 LD50 LD50	enicity Form Oral Inhaled Dermal Oral Dermal	<u>Subject</u> Rat Rabbit	Toxic to Represent NA Result Value 1,530 mg/kg No data listed 2,740 mg/kg	oduction	4 (>300, ≤2 (>2000 (>2000	000 mg/kg ) mg/kg)			
None Listed COMPONENTS ACUT CHEMICAL NAME Phosphoric Acid Citric Acid	Germ Cell Mutag NA E TOXICITY LD50 LC50 LD50 LD50 LD50	enicity Form Oral Inhaled Dermal Oral Dermal	<u>Subject</u> Rat Rabbit Rat	Toxic to Represent NA Result Value 1,530 mg/kg No data listed 2,740 mg/kg 5,400 mg/kg	oduction	4 (>300, ≤2 (>2000 (>2000	000 mg/kg ) mg/kg) ) mg/kg)			
None Listed COMPONENTS ACUT CHEMICAL NAME Phosphoric Acid Citric Acid	Germ Cell Mutag NA E TOXICITY LD50 LD50 LD50 LD50 LD50 COLOGICAL INFORMATI	enicity Eorm Oral Inhaled Dermal Oral Dermal ON Subject Su	<u>Subject</u> Rat Rabbit Rat Rat ubject Latin	Toxic to Repr NA Result Value 1,530 mg/kg No data listed 2,740 mg/kg 5,400 mg/kg >2,000 mg/kg	eduction Exposure Time	4 (>300, ≤2 (>2000 (>2000 (>2000 (>2000	000 mg/kg) 0 mg/kg) 0 mg/kg) 0 mg/kg) <b>Category</b>			
None Listed COMPONENTS ACUT CHEMICAL NAME Phosphoric Acid Citric Acid SECTION – 12 Ed CHEMICAL NAME Phosphoric Acid	Germ Cell Mutag NA E TOXICITY LD50 LD50 LD50 LD50 LD50 COLOGICAL INFORMATI Type LC50	enicity Form Oral Inhaled Dermal Oral Dermal ON Subject Sin Mosquito Fish (G	Subject Rat Rabbit Rat Rat Ubject Latin Gambusia affinis)	Toxic to Repre- NA Result Value 1,530 mg/kg No data listed 2,740 mg/kg 5,400 mg/kg >2,000 mg/kg >2,000 mg/kg	oduction   Exposure Time   lue Exposure Time   g/L 96 Hours	4 (>300, ≤2 (>2000 (>2000 (>2000 (>2000 (>2000 (>2000) S (>10,	0000 mg/kg) 0 mg/kg) 0 mg/kg) 0 mg/kg) <b>Category</b> ≤100 mg/l			
None Listed COMPONENTS ACUT CHEMICAL NAME Phosphoric Acid Citric Acid SECTION – 12 Ed CHEMICAL NAME	Germ Cell Mutag     NA     E TOXICITY     LD50	enicity Form Oral Inhaled Dermal Oral Dermal ON Subject Se Mosquito Fish (G Bluegill (L	Subject Rat Rabbit Rat Rat Rat Ubject Latin Gambusia affinis) epomis macrochirus)	Toxic to Repr NA Result Value 1,530 mg/kg No data listed 2,740 mg/kg 5,400 mg/kg >2,000 mg/kg >2,000 mg/kg 138 m 220 m	oduction   Exposure Time   lue Exposure Time   g/L 96 Hours   g/L 96 Hours	4 (>300, ≤2 (>2000 (>2000 (>2000 (>2000 (>2000 (>2000) 3 (>10, 4 (>1	0000 mg/kg) 0 mg/kg) 0 mg/kg) 0 mg/kg) <b>Category</b> ≤100 mg/L)			
None Listed COMPONENTS ACUT CHEMICAL NAME Phosphoric Acid Citric Acid SECTION – 12 E CHEMICAL NAME Phosphoric Acid Citric Acid	Germ Cell Mutag     NA     E TOXICITY     LD50     LC50     LD50     LC50     LD50     LC50     LC50	enicity Form Oral Inhaled Dermal Oral Dermal ON Subject Set Mosquito Fish (G Bluegill (L Water Flea (D	Subject Rat Rabbit Rat Rat Rat Ubject Latin Gambusia affinis) epomis macrochirus) paphnia magna)	Toxic to Repre- NA Result Value 1,530 mg/kg No data listed 2,740 mg/kg 5,400 mg/kg >2,000 mg/kg >2,000 mg/kg	oduction   Exposure Time   lue Exposure Time   g/L 96 Hours   g/L 96 Hours	4 (>300, ≤2 (>2000 (>2000 (>2000 (>2000 (>2000 (>2000) 3 (>10, 4 (>1	000 mg/kg) 0 mg/kg) 0 mg/kg) 0 mg/kg) <b>Category</b> ≤100 mg/l			
None Listed COMPONENTS ACUT CHEMICAL NAME Phosphoric Acid Citric Acid SECTION – 12 E CHEMICAL NAME Phosphoric Acid Citric Acid Presistence And Deg	Germ Cell Mutag NA E TOXICITY LD50 LC50 LD50 LD50 LD50 COLOGICAL INFORMATI LC50 LD50 LC50 LD50 LC50 LD50 LC50	enicity Form Oral Inhaled Dermal Oral Dermal ON Subject Sin Mosquito Fish (G Bluegill (L Water Flea (D es may persist in th	Subject Rat Rabbit Rat Rat Rat Ubject Latin Gambusia affinis) epomis macrochirus) paphnia magna)	Toxic to Repr NA Result Value 1,530 mg/kg No data listed 2,740 mg/kg 5,400 mg/kg >2,000 mg/kg >2,000 mg/kg 138 m 220 m	oduction   Exposure Time   lue Exposure Time   g/L 96 Hours   g/L 96 Hours	4 (>300, ≤2 (>2000 (>2000 (>2000 (>2000 (>2000 (>2000) 3 (>10, 4 (>1	0000 mg/kg) 0 mg/kg) 0 mg/kg) 0 mg/kg) <b>Category</b> ≤100 mg/L)			
None Listed COMPONENTS ACUT CHEMICAL NAME Phosphoric Acid Citric Acid SECTION – 12 E CHEMICAL NAME Phosphoric Acid Citric Acid	Germ Cell Mutag NA E TOXICITY E TOXICITY LD50 LC50 LD50 LD50 COLOGICAL INFORMATI LC50 LD50 LC50 LD50 LC50 LD50 LC50 LC50 LC50 LC50 LD50 LC50 LD50 LC50 LD50 LC50 LD50 LC50 LD50 LC50 LD50 LC50 LD50 LC50 LD50 LD50 LD50 LD50 LD50 LD50 LD50 LD	enicity Form Oral Inhaled Dermal Oral Dermal ON Subject Sin Mosquito Fish (G Bluegill (L Water Flea (D es may persist in th	Subject Rat Rabbit Rat Rat Ubject Latin Gambusia affinis) epomis macrochirus) Daphnia magna) ne environment	Toxic to Repr NA Result Value 1,530 mg/kg No data listed 2,740 mg/kg 5,400 mg/kg >2,000 mg/kg >2,000 mg/kg 138 m 220 m	oduction   Exposure Time   lue Exposure Time   g/L 96 Hours   g/L 96 Hours	4 (>300, ≤2 (>2000 (>2000 (>2000 (>2000 (>2000 (>2000) 3 (>10, 4 (>1	0000 mg/kg) 0 mg/kg) 0 mg/kg) 0 mg/kg) <b>Category</b> ≤100 mg/L)			

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## SECTION – 13 DISPOSAL CONSIDERATIONS

# DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER Dispose of any waste in accordance with all State and Federal Guidelines and Regulations

# ENVIRONMENTAL FATE

Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste.

CONTAINER DISPOSAL - Triple rinse empty container then offer for recycling. If not available, puncture and dispose in a sanitary landfill.

SECTION – 14	TRANSPORT II	NFORMATION					
DOT CLASSIFIC	ATION						
UN Number		<u> </u>	Proper Shipping Name n.o.s. (	<u>Chemicals ) o</u>	<u>r "Limits"</u>		
Ltd Qty			"Limited Quantity" "Inner	packaging r	ot over 5.0 Liters	(1.3 gallons)"	
Hazard Class Pac	<u>cking Group</u>	Label Codes	<u>Reportable Quantity (lbs)</u>	<u>Response</u>	Marine Pollutant	Hazard Label	<u>Secondary</u>
None	None	None	None	154	No		
Additional Info:	Shipping informa	tion for: (Pints, Quarts	and Gallons)			$\langle \rangle$	

SECTION – 15 REGULA	TORY INFORMATION											
<u>TSCA</u>												
CHEMICAL NAME	Sec 8(b) Inventory	:	Sec 8(d) H	ealth And	I Safety	Se	c 4(a) Chen	nical Test I	Rules	Sec 12(I	b) Expor	t Notificatior
Phosphoric Acid	Yes			Yes								
REPORTABLE QUANTITIES	Extremely	Hazardo	us	R	eportable (	Quantity	Emission	Reporting				
CHEMICAL NAME	EPCRA TPQ Sec 302	EPCR	A RQ Sec	304 C	ERCLA RQ	Sec 103	TRI S	iec 313	RC	RA Code	RMF	TQ Sec 112
Phosphoric Acid					500	C						
SARA	Section 31	1				Sectio	on 311 / 3	12 Hazar	ds			
CHEMICAL NAME	Hazardous Ch	emical		Acute	(	Chronic	Fla	ammable		Pressure		Reactive
Phosphoric Acid	Yes			Yes		Yes						
Citric Acid	Yes			Yes								
RIGHT TO KNOW					STATE							
CHEMICAL NAME	CA CT	FL	IL	LA	NJ	NY	PA	МІ	MN	MA	RI	WI
Phosphoric Acid	Yes		Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	
Citric Acid					Yes		Yes					
<u>CALIFORNIA</u>		WARN	ING! Thi	s produ	ict contai	ns chem	icals kno	wn to the	e state	of Califori	nia to c	ause:
CHEMICAL NAME	CAS #	Birth I	Defects		Reproduc	tive Har	m	Carcino	ogen	[	Develop	omental
None Listed												
CLEAN AIR WATER ACTS		Clea	n Air Act	s				(	Clean W	ater Acts		
CHEMICAL NAME	CAS #	HAP		Ozone	Class 1	Ozor	ne Class 2	2 1	IS	PP		TP
None Listed												
INTERNATIONAL REGULATIO	NS – The components of	this proc	duct are l	isted on	the chem	ical inver	ntories of t	the follow	ing cour	ntries:		
CHEMICAL NAME	Australia	С	anada	Eu	rope (EIN	ECS)	Japa	n	K	orea		UK
Phosphoric Acid	Yes		Yes		Yes		Yes		Y	′es		Yes
WHMIS Classification												
CHEMICAL NAME	DSL	Class	s Desci	ription								
Phosphoric Acid	Yes	Е	Corro	sive Ma	aterial							

ATUER INFORMATION

SECTIC	DN – 16 OTHER INFORMATION		
<u>SDS</u>	LEGEND DESCRIPTION		
ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NFPA	National Fire Protection Association
EPA	Environmental Protection Agency	NIOSH	National Institute for Occupational Safety and Health
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NE	Not Established
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous air pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety Glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)
KD	Kidney Damage (nephropathy)	UEL	Upper Explosive Limit

#### <u>Magnus</u>

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Print Date 12/30/2015

#### Supersedes Safety Data Sheet Dated