Wash Systems Wash Syste	ower			SHEET
	Issue Date October 31, 1. IDENTIF		Revision Date Oct	ober 31, 2013 Version 1
roduct Identifier			al and restrictions c	n use
roduct Name <b>SmartWash</b> ® Hot 20				
etails of the supplier of the safety data sh			(501) 847-9031	
Supplier Address Whiting Systems, Inc.	Emergency Tele		1 (352) 323-3500	(International)
9000 Highway 5 North Alexander, AR 7200	)2	-	1 (800) 535-5053	
	2. HAZARDS ID	ENTIFICATION		
Classification Skin corrosion/irritation Serious eye damage/eye irr		ub-category C	Precautionary State dust/fume/gas/mist/v	tements - Prevention
, , ,	es skin irritation		•	skin thoroughly after handling
-	es serious eye damage		• •	othing/eye protection/face protection
	arance Green liquid Physical tatements - Response	Istate Liquid	Odor Characteristi	ic Burnt Sugar
	e cautiously with water for several	minutes. Remove	e contact lenses, if pre	sent and easy to do.
	immediately call a POISON CEN			141 - 2 - 2 - 1 - 1 - 1 - 1 - 1
IF ON SKIN (or ha contaminated clot	air): Remove/Take off immediately	all contaminated	clothing. Rinse skin w	vith water/shower Wash
F INHALED: Remove victim to fresh air and k	5	le for breathing In	nmediately call a POIS	SON CENTER
SWALLOWED: Rinse mouth. DO NOT indu	, and the second s			
Chemical Name	3. COMPOSITION/INFORM CAS No		EDIENTS eight-%	Trade Secret
2-Butoxyethanol	111-76-2	vv	1 - 3	*
Sodium Tripolyphosphate	7758-29-4		).5 – 3	*
Sodium metasilicate pentahydrate	10213-79-3		1-3	*
Sodium hydroxide	1310-73-2 4. FIRST AID		0.5 – 3	-
nhalation		Eve contact		
Remove victim to fresh air and keep at re	est in a position comfortable for		h with plenty of wat	er. After initial flushing, remove a
reathing. Wash mouth and nasal passage	es with water repeatedly. Call a		nd continue flushing for	or at least 15 minutes. Call a physic
hysician immediately. ngestion		immediately. Skin Contact		
Rinse mouth. Do NOT induce vomiting.	Drink plenty of water or milk		and water. DO NO	T attempt to neutralize with chemi
mmediately. Never give anything by mouth t	o an unconscious person. Call a			
		•		
physician or poison control center immediately	/.	reuse. If skin irrit	contaminated clothin ation persists, call a p	
physician or poison control center immediately Most important symptoms and effects, both	/. h acute and delayed Symptoms	reuse. If skin irrit	ation persists, call a p	hysician.
physician or poison control center immediately Most important symptoms and effects, both May cause irritation to the mucous membrane	/. h acute and delayed Symptoms as and upper respiratory tract. Pr	reuse. If skin irrit	ation persists, call a p nay even cause sever	hysician. e skin irritation or mild burn. Expos
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hysician or poison control center immediately Most important symptoms and effects, both May cause irritation to the mucous membrane ndividuals may experience eye tearing, redne Physicians_Treat symptomatically. Existing con- suitable Extinguishing Media Carbon Insuitable Extinguishing Media Geep containers cool with water spray to preve to steam buildup. Floor will become slippery if Ikaline and will irritate the eyes if product is a Personal precautions, protective equipment Methods and material for containment and Vash small spills to sanitary sewer. Large spill for spills in excess of allowable limits (RQ) non instructions concerning reporting requirements Precautions for safe handling Handle in pray. Wash thoroughly after handling. Use pro- torage Conditions Keep tightly closes incompatible materials Strong oxidizing a Exposure Guidelines Chemical Name 2-Butoxyethanol 111-76-2	A. A	reuse. If skin irrit olonged contact r strointestinal irrita : skin disorders, s IG MEASURES by (fog). Dry chem Protective eq As in any fire, demand, MSH : EASE MEASUR Use perso Methods for Prevent furt cleaning up roved absorbent, a r (800) 424-8802; IND STORAGE I hygiene and safe in Section 8. Prote d place. Keep out PERSONAL PRO TWA: 50 ppm (vacated) TWA: TWA: 2 m	ation persists, call a p nay even cause sever tion, nausea, diarrhea kin allergies, respirato ical. Chemical foam. uipment and precau wear self-contained br A/NIOSH (approved c ES onal protective equipm r containment her leakage or spillage and shovel product int refer to 40 CFR 302 f ety practice. Do not br ect container from phy of reach of children. P DTECTION SHA PEL n TWA: 240 mg/m3 A: 25 ppm (vacated) 120 mg/m3 ng/m3(vacated)	hysician.      e skin irritation or mild burn. Expose     and vomiting     ory disorders, eye disorders.      tions for firefighters     reathing apparatus pressure-     or equivalent) and full protective gear      hent as required.     e if safe to do so.     o approved container for disposal.     or detailed      eathe dust/fume/gas/mist/vapors/     sical damage.     rotect from extreme temperatures.      NIOSH IDLH      IDLH: 700 ppmTWA: 5 ppm TW/     24 mg/m3      IDLH: 10 mg/m3
Applications for safe handling Handle i Precautions for safe handling Handle i Presume Suitable materials Strong oxidizing a Strong e Conditions Keep tightly close provide the material Strong oxidizing a Strong e Conditions Strong existing a Strong e Conditions Strong existing a Strong existing a Strong existing a Strong existing a Strong existing a Strong existing a S	A. Accident of the second seco	reuse. If skin irrit olonged contact r strointestinal irrita : skin disorders, s IG MEASURES y (fog). Dry chem Protective eq As in any fire, demand, MSH : EASE MEASUR Use perso Methods fo Prevent furt cleaning up roved absorbent, a r (800) 424-8802; IND STORAGE I hygiene and safe in Section 8. Prote d place. Keep out PERSONAL PRO TWA: 50 ppn (vacated) TWA: TWA: 2 n Ceilin	ation persists, call a p nay even cause sever tion, nausea, diarrhea kin allergies, respirato ical. Chemical foam. uipment and precau wear self-contained br A/NIOSH (approved c ES onal protective equipm r containment her leakage or spillage and shovel product int refer to 40 CFR 302 f ety practice. Do not br act container from phy of reach of children. P DTECTION SHA PEL n TWA: 240 mg/m3 A: 25 ppm (vacated) 120 mg/m3 ng/m3(vacated) g; 2 mg/m3	hysician. e skin irritation or mild burn. Expose , and vomiting ory disorders, eye disorders. tions for firefighters reathing apparatus pressure- or equivalent) and full protective gear hent as required. e if safe to do so. o approved container for disposal. or detailed eathe dust/fume/gas/mist/vapors/ sical damage. rotect from extreme temperatures. NIOSH IDLH IDLH: 700 ppmTWA: 5 ppm TW/ 24 mg/m3
hysician or poison control center immediately <b>Nost important symptoms and effects, bott</b> May cause irritation to the mucous membrane adividuals may experience eye tearing, redne <b>Physicians</b> Treat symptomatically. Existing con- <b>Statistic Extinguishing Media</b> Carbon <b>Insuitable Extinguishing Media</b> Carbon <b>Insuitable Extinguishing Media</b> Carbon <b>Insuitable Extinguishing Media</b> Carbon <b>Insuitable Extinguishing Media</b> Not determ <b>Specific hazards arising from the chemical</b> (seep containers cool with water spray to preve to steam buildup. Floor will become slippery if Ikaline and will irritate the eyes if product is a <b>Personal precautions, protective equipment</b> <b>Nash small spills to sanitary sewer.</b> Large spill for spills in excess of allowable limits (RQ) no istructions concerning reporting requirements <b>Precautions for safe handling</b> Handle in <b>pray.</b> Wash thoroughly after handling. Use pre- <b>torage Conditions</b> Keep tightly closes <b>torage Conditions</b> Chemical Name 2-Butoxyethanol 111-76-2	A. A	reuse. If skin irrit olonged contact r strointestinal irrita : skin disorders, s IG MEASURES y (fog). Dry chem Protective eq As in any fire, demand, MSH : EASE MEASUR Use perso Methods fo Prevent furt cleaning up roved absorbent, a r (800) 424-8802; IND STORAGE I hygiene and safe in Section 8. Prote d place. Keep out PERSONAL PRO TWA: 50 ppn (vacated) TWA: TWA: 2 n Ceilin	ation persists, call a p nay even cause sever tion, nausea, diarrhea kin allergies, respirato ical. Chemical foam. uipment and precau wear self-contained br A/NIOSH (approved c ES onal protective equipm r containment her leakage or spillage and shovel product int refer to 40 CFR 302 f ety practice. Do not br ect container from phy of reach of children. P DTECTION SHA PEL n TWA: 240 mg/m3 A: 25 ppm (vacated) 120 mg/m3 ng/m3(vacated)	hysician. e skin irritation or mild burn. Expos , and vomiting ory disorders, eye disorders. tions for firefighters reathing apparatus pressure- or equivalent) and full protective gear hent as required. e if safe to do so. o approved container for disposal. or detailed eathe dust/fume/gas/mist/vapors/ sical damage. rotect from extreme temperatures. NIOSH IDLH IDLH: 700 ppmTWA: 5 ppm TW/ 24 mg/m3 IDLH: 10 mg/m3

SmartWash® Hot 202												
Individual protection measure	es, such	as personal	protective	equipment								
Eye/face protection We	ar approv	ved safety go	ggles.		Skin and body protection Neoprene, butyl or nitrile rubber gloves with							
Respiratory protection Nor	ne require	ed while three	shold limits	are kept	cuffs. Wear impervious protective clothing, including boots, gloves, lab coat,							
below maximum allowable conc	entration	s; if TWA exc	ceeds limits,	NIOSH	apron or coveralls, as appropriate, to prevent skin contact.							
approved respirator must be wo	rn. Respi	iratory protec	tion must be	e provided in	General Hygiene Considerations							
accordance with 29 CFR1910.134 European Standard EN 149					Handle in accordance with good industrial hygiene and safety practice.							
			9. PHYSI	CAL AND CHE	EMICAL PRO	PERTIES						
Information on basic physical	and che	emical prope	erties									
Melting point/freezing point	Not det	ermined	Vapor pre	ssure	17 mm Hg Kinem			matic viscosity Not determined				
Boiling point/boiling range	100 °C /	/ 212 °F	Vapor der	nsity	>1		Dynamic v	iscosity	Not determined			
Flash point	Non-fla	mmable	Specific C	•	1.038				Not determined			
Evaporation rate	<1		Water sol	-	Com	letely soluble	Oxidizing p	• •				
Flammability (solid, gas)	n/a-liqu	id	pН			- 13.5	0.	•				
Flammability Limits in Air			-	coefficient		etermined						
Upper flammability limits	Not app	licable		on temperatu		etermined						
Lower flammability limit	Not app		-	sition tempera		etermined						
				STABILITY AI								
Reactivity Not reactive un	der norm	al conditions		emical stabilit			der recom	nended storad	ge conditions.			
Possibility of Hazardous Read				processing.		s polymerizat		oes not occur.	,			
		peratures.		atible materia		g oxidizing age						
Hazardous Decomposition	n Produc	ts Decon	nposition wi	Il not occur if h	andled and s	tored properly.	In case of fir	e, oxides of car	bon, hydrocarbons,			
fumes or vapors, and smoke ma	ay be pro								-			
			11. T(	DXICOLOGIC	AL INFORMA	TION						
Information on likely routes of	f exposu	ire Ir	halation	Avoid brea	thing vapors of	or mists.	Eve contac	ct Causes s	erious eye damage.			
			kin Contac		• •		Ingestion	Do not taste				
Component Information												
Chemical Name		Oral LD50		Dermal 50			Inhalation LC					
2-Butoxyethanol 111-76-2		4	70 mg/kg (R	at)	220 mg/kg	(Rabbit) 2270 m	ng/kg (Rat)	2.21 mg/kg (Rat) 4h 450 ppm(Rat)				
Sodium hydroxide 1310-73-	2											
Sodium hydroxide 1310-73-2     -     1350 mg/kg (Rabbit)     -       Delayed and immediate efects as well as chronic effects fromsort and long-term exposure												
		d and imme	diate efects	s as well as cl				exposure				
Carcinogenicity Not classif	Delaye	a human carc	cinogen.					exposure				
	Delaye	a human carc						exposure				
Carcinogenicity Not classif	Delaye	a human carc	cinogen. determined		hronic effect	s fromsort and		<u>exposure</u>				
Carcinogenicity Not classif Numerical measures of toxici Ecotoxicity An environmen	Delaye iable as a ty- Prode tal hazar	a human carc <u>uct</u> Not	cinogen. determined 12.	ECOLOGICAL the event of ur	INFORMATI	s fromsort and	d long-term	exposure				
Carcinogenicity         Not classif           Numerical measures of toxici           Ecotoxicity         An environmen           Persistence and degradability	Delaye iable as a ty- Produ tal hazar	a human carc <u>uct</u> Not	cinogen. determined 12.	ECOLOGICAL the event of ur Bioac	INFORMATI	s fromsort and ON handling or dis	d long-term posal <u>Mobility</u>	Othe	r adverse effects			
Carcinogenicity Not classif Numerical measures of toxici Ecotoxicity An environmen	Delaye iable as a ty- Produ tal hazar	a human carc <u>uct</u> Not	cinogen. determined 12.	ECOLOGICAL the event of ur Bioac	INFORMATI	s fromsort and ON handling or dis	d long-term	Othe	er adverse effects Not determined			
Carcinogenicity         Not classif           Numerical measures of toxici           Ecotoxicity         An environmen           Persistence and degradability	Delaye iable as a ty- Produ tal hazar	a human carc <u>uct</u> Not	tinogen. determined 12. excluded in 13. I	ECOLOGICAI the event of ur <u>Bioac</u> Not c DISPOSAL CC	INFORMATI professional cumulation letermined.	S fromsort and ON handling or dis	d long-term posal <u>Mobility</u> Not determin	Othe	Not determined			
Carcinogenicity         Not classif           Numerical measures of toxici           Ecotoxicity         An environmen           Persistence and degradability	Delaye iable as a ty- Produ tal hazar tal hazar t	a human carc <u>uct</u> Not d cannot be e	tinogen. determined 12. excluded in 13. I Dispo	ECOLOGICAI the event of ur Bioac Not c DISPOSAL CC sal should be in	INFORMATI professional cumulation letermined. DNSIDERATIO n accordance	on on nandling or dis DNS with applicable	d long-term posal <u>Mobility</u> Not determin	Othe				
Carcinogenicity Not classif Numerical measures of toxici Ecotoxicity An environmen Persistence and degradability Not dete Disposal of wastes and Conta	Delaye iable as a ty- Produ tal hazard tal hazard tal hazard taminatec	a human carc u <u>ct</u> Not d cannot be e I packaging	tinogen. determined 12. excluded in 13. I Dispo 14.	ECOLOGICAL the event of ur Bioac Not c DISPOSAL CC sal should be in TRANSPORT	INFORMATI DIFORMATI CUMULATION Letermined. DNSIDERATION Accordance	on on nandling or dis DNS with applicable	d long-term posal <u>Mobility</u> Not determin	Othe	Not determined			
Carcinogenicity Not classif Numerical measures of toxici Ecotoxicity An environmen Persistence and degradability Not dete	Delaye iable as a ty- Produ tal hazard tal hazard tal hazard taminatec	a human carc <u>uct</u> Not d cannot be e	cinogen. determined 12. excluded in 13. I Dispo 14. <u>IMDG</u>	ECOLOGICAL the event of ur Bioac Not c DISPOSAL CC sal should be in TRANSPORT Not regulat	INFORMATI professional cumulation letermined. DNSIDERATIO n accordance INFORMATIO ted	on on handling or dis bns with applicable on	d long-term posal <u>Mobility</u> Not determin	Othe	Not determined			
Carcinogenicity         Not classif           Numerical measures of toxici           Ecotoxicity         An environmen           Persistence and degradability           Not dete           Disposal of wastes and Conta           DOT         Not regulated	Delaye iable as a ty- Produ tal hazard tal hazard tal hazard taminatec	a human carc u <u>ct</u> Not d cannot be e I packaging	cinogen. determined 12. excluded in 13. I Dispo 14. <u>IMDG</u>	ECOLOGICAL the event of ur Bioac Not c DISPOSAL CC sal should be in TRANSPORT	INFORMATI professional cumulation letermined. DNSIDERATIO n accordance INFORMATIO ted	on on handling or dis bns with applicable on	d long-term posal <u>Mobility</u> Not determin	Othe	Not determined			
Carcinogenicity         Not classif           Numerical measures of toxici           Ecotoxicity         An environmen           Persistence and degradability           Not dete           Disposal of wastes and Conta           DOT         Not regulated           US Federal Regulations	Delaye iable as a ty- Produ tal hazard tal hazard tal hazard taminatec	a human carc uct Not d cannot be e d packaging t regulated	cinogen. determined 12. excluded in 13. I Dispo 14. <u>IMDG</u> 15. I	ECOLOGICAL the event of ur Bioac Not c DISPOSAL CC sal should be in TRANSPORT Not regulat REGULATOR	INFORMATI professional cumulation letermined. DNSIDERATIO n accordance INFORMATIO ted	S fromsort and ON handling or dis bNS with applicable ON	d long-term posal <u>Mobility</u> Not determin	Othe led. tional and local	Not determined			
Carcinogenicity         Not classif           Numerical measures of toxici           Ecotoxicity         An environmen           Persistence and degradability           Not dete           Disposal of wastes and Conta           DOT         Not regulated           US Federal Regulations           Chemical Name	Delaye iable as a ty- Produ tal hazard tal hazard tal hazard taminatec	a human carc uct Not d cannot be e d packaging t regulated	tinogen. determined 12. excluded in 13. I Dispo 14. <u>IMDG</u> 15. I CAS Number	ECOLOGICAL the event of ur Bioac Not c DISPOSAL CC sal should be in TRANSPORT Not regulat REGULATOR	INFORMATI professional cumulation letermined. DNSIDERATIO n accordance INFORMATIO ted	S fromsort and ON handling or dis DNS with applicable ON ION Weight-%	d long-term posal <u>Mobility</u> Not determin	Othe led. tional and local	Not determined			
Carcinogenicity         Not classif           Numerical measures of toxici           Ecotoxicity         An environmen           Persistence and degradability           Not dete           Disposal of wastes and Conta           DOT         Not regulated           US Federal Regulations           Chemical Name           2-Butoxyethanol	Delaye iable as a ty- Produ tal hazard tal hazard tal hazard taminatec	a human carc uct Not d cannot be e d packaging t regulated	cinogen. determined 12. excluded in 13. I Dispo 14. <u>IMDG</u> 15. I	ECOLOGICAL the event of ur Bioac Not c DISPOSAL CC sal should be in TRANSPORT Not regulat REGULATOR	INFORMATI professional cumulation letermined. DNSIDERATIO n accordance INFORMATIO ted	S fromsort and ON handling or dis bNS with applicable ON	d long-term posal <u>Mobility</u> Not determin	Othe led. tional and local	Not determined			
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Carcinogenicity         Not classif           Numerical measures of toxici           Ecotoxicity         An environmen           Persistence and degradability           Not dete           Disposal of wastes and Conta           DOT         Not regulated           US Federal Regulations           Chemical Name           2-Butoxyethanol	Delaye iable as a ty- Produ tal hazard tal hazard tal hazard taminatec	a human carc uct Not d cannot be e d packaging t regulated	tinogen. determined 12. excluded in 13. I Dispo 14. <u>IMDG</u> 15. I CAS Number	ECOLOGICAL the event of ur Bioac Not c DISPOSAL CC sal should be in TRANSPORT Not regulat REGULATOR	INFORMATI professional cumulation letermined. DNSIDERATIO n accordance INFORMATIO ted	S fromsort and ON handling or dis DNS with applicable ON ION Weight-%	d long-term posal <u>Mobility</u> Not determin	Othe led. tional and local	Not determined			
Carcinogenicity       Not classif         Numerical measures of toxici         Ecotoxicity       An environmen         Persistence and degradability         Not dete         Disposal of wastes and Conta         DOT       Not regulated         JAT         US Federal Regulations         Chemical Name         2-Butoxyethanol	Delaye iable as a ty- Produ tal hazard tal hazard tal hazard tal hazard	a human carc uct Not d cannot be e d packaging t regulated	cinogen.         determined         12.         excluded in         13. I         Disport         14.         IMDG         15. I         CAS Numb         111-76-2	ECOLOGICAL the event of ur Bioac Not c DISPOSAL CC sal should be in TRANSPORT Not regulat REGULATOR	INFORMATI professional cumulation letermined. DNSIDERATIO n accordance INFORMATION INFORM	S fromsort and ON handling or dis DNS with applicable ON ION Weight-%	d long-term posal <u>Mobility</u> Not determin	Othe led. tional and local	Not determined			
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Carcinogenicity       Not classif         Numerical measures of toxici         Ecotoxicity       An environmen         Persistence and degradability         Not dete         Disposal of wastes and Conta         DOT       Not regulated         JAT         US Federal Regulations         Chemical Name         2-Butoxyethanol         Not determined.         NFPA         NFPA	Delaye iable as a ty- Produ tal hazard tal hazard tal hazard tal hazard	a human carc uct Not d cannot be e d packaging t regulated	tinogen. determined 12. excluded in 13. I Dispo 14. IMDG 15. I CAS Numb 111-76-2	ECOLOGICAL the event of ur Bioac Not c DISPOSAL CC sal should be in TRANSPORT Not regulat REGULATOR' Er 16. OTHER IN	INFORMATI professional cumulation letermined. DNSIDERATION accordance INFORMATION FORMATION ability mined	s fromsort and ON handling or dis UNS with applicable ON ION ION I - 3 I - 3 IN Not d	d long-term	Othe ed. tional and local SARA 313 -	Not determined			
Carcinogenicity         Not classif           Numerical measures of toxici           Ecotoxicity         An environmen           Persistence and degradability           Not dete           Disposal of wastes and Conta           DOT         Not regulated           JAT           US Federal Regulations           Chemical Name           2-Butoxyethanol           Not determined.           NFPA	Delaye iable as a ty- Produ tal hazard tal hazard tal hazard tal hazard	a human carc uct Not d cannot be e d packaging tregulated tregulated Health hazards Not determined	tinogen. determined 12. excluded in 13. I Dispo 14. IMDG 15. I CAS Numb 111-76-2	ECOLOGICAL the event of ur Bioac Not c DISPOSAL CC sal should be in TRANSPORT Not regulat REGULATOR' er 16. OTHER IN Flamma Not dete	INFORMATI professional i cumulation letermined. INSIDERATION accordance INFORMATION FORMATION ability rmined ability	s fromsort and ON handling or dis UNS with applicable ON ION ION I - 3 I - 3 IN Not d	d long-term	Othe ed. tional and local SARA 313 -	Not determined			
Carcinogenicity       Not classif         Numerical measures of toxici         Ecotoxicity       An environmen         Persistence and degradability         Not dete         Disposal of wastes and Conta         DOT       Not regulated         JAT         US Federal Regulations         Chemical Name         2-Butoxyethanol         Not determined.         NFPA         NFPA	Delaye iable as a ty- Production of the second seco	A human carc uct Not d cannot be e d packaging t regulated Health hazards Not determined Health hazards 1	cinogen.         determined         12.         excluded in         13. I         Disport         14.         IMDG         15. I         CAS Numb         111-76-2         IIII         IIII	L ECOLOGICAL the event of ur Bioac Not c DISPOSAL CC sal should be in TRANSPORT Not regulat REGULATOR I I I I I I I I I I I I I I I I I I I	INFORMATI  Professional  Cumulation  letermined.  NSIDERATIC  Accordance  INFORMATI  INFORMATI  INFORMATI  FORMATION  ability  mined  ability	s fromsort and ON handling or dis UNS with applicable ON ION ION I - 3 I - 3 I - 3 I - 1 - 3 I	d long-term posal Mobility regional, nat stability etermined al hazards 0	Othe led.	Not determined			
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