## SAFETY DATA SHEET



	1. IDENTIFICATION							
Product identifier								
Product Name	duct Name BSI-525 High Foaming Chlorinated Cleaner							
Recommended use of the chemical	and restrictions on use							
Recommended Use	Chlorinated alkaline cleaner							
Uses advised against Follow the directions for use on the label when applying this product								
Details of the supplier of the safety	v data sheet							
Manufacturer Address								
Best Sanitizers, inc.								
PO Box 1360								
Penn Valley, CA 95946								
Toll Free: 888-225-3267								
Emergency telephone number	Chemtrec 1-800-424-9300							
Emergency Telephone								
Classification	2. HAZARDS IDENTIFICATION							
OSHA Regulatory Status								
	us by the 2012 OSHA Hazard Communication Standard	1 (29 CFR 1910.1200)						
Skin corrosion/irritation		Category 1						
Serious eye damage/eye irritation		Category 1						
Label elements								
Danger	Emergency Overview							
Appearance Aqueous solution	Physical state Liquid	Odor Chlorine						
Precautionary Statements - Preven								
Immediately call a poison center or do IF ON SKIN (or hair): Take off immed before reuse	thing/eye protection/face protection nse octor SDS) ter for several minutes. Remove contact lenses, if prese octor iately all contaminated clothing. Rinse skin with water/ n air and keep comfortable for breathing. Immediately c NOT induce vomiting e	shower. Wash contaminated clothing						
Dispose of contents/container to an a Hazards not otherwise classified (H Not Applicable Other Information • May be harmful if swallowed • Very toxic to aquatic life with long la	pproved waste disposal plant <u>INOC)</u>							
a very toxic to aquatic life with long la	Sung Choola							

		N/INFORMATION ON INGRED	IENTS
		CAS No.	
Chemical Name Water		7732-18-5	weight-% 73-78
	ovido	1310-58-3	
Potassium hydroxide Trade Secret 1			9-13 3-5
		Proprietary	
Sodium hypochlorite		7681-52-9	2-4
Trade Secret		Proprietary	1-3
Trade Secret		Proprietary	1-2
Sodium hydro:		1310-73-2	< 0.2
*The exact		ration) of composition has been withhe	ld as a trade secret.
	4.	FIRST AID MEASURES	
First aid measures			
			-20 minutes. Remove contact lenses if
		ninutes, then continue rinsing eye. See	
		y with soap and plenty of water while re	
		inated clothing and shoes before reuse	e. For severe purns, immediate medical
	attention is required.	Administer ovugen if breathing is difficu	ult Call a physician immediately
		Administer oxygen if breathing is difficu	
		ting. Drink plenty of water. Never give a	anything by mouth to an unconscious
	person. Call a physic		
Most important symptoms an	See Section 11 for s		
Indication of any immediate n Note to physicians	Treat symptomatical		
		,	
	5. FIF	RE-FIGHTING MEASURES	
Suitable extinguishing media			
Dry chemical. Water spray (fog)			
Unsuitable extinguishing	media No infori	mation available.	
Specific hazards arising from	the chemical		
No information available.			
Hazardous combustion pr	oducts Chlorine	gas released on contact with acids, or	during thermal decomposition. Carbon
	monoxid	e. Carbon dioxide (CO2).	
Explosion data			
Sensitivity to Mechanical	Impact None.		
Sensitivity to Static Disch	arge None.		
Protective equipment and pre	cautions for firefigh	nters	
		us pressure-demand, MSHA/NIOSH (a	pproved or equivalent) and full
		ies of water until well after fire is out. N	
not burn but may decompose up			
		ENTAL RELEASE MEASURES	
Personal precautions, protect			
Personal precautions		rotection recommended in Section 8. E	insure adequate ventilation, especially
-	in confined are	as.	
For emergency responders	Isolate area. Ke	eep unnecessary personnel away.	
Environmental precautions			
Environmental precautions	Prevent entry ir	nto waterways, sewers, basements, or o	confined areas. See Section 12 for
•		gical information.	
Methods and material for con			
Methods for containment		leakage or spillage if safe to do so. Co	ntain and collect spillage with
		e absorbent material, (e.g., sand, earth	
		ntainer for disposal according to local /	
Methods for cleaning up		. Soak up with inert absorbent material.	
0 1		lisposal. Following product recovery, flu	
		ANDLING AND STORAGE	
Precautions for safe handling			
Advice on safe handling		rotection recommended in Section 8 A	void contact with skin, eyes, or clothing.
Active on sure nanuning		I-ventilated areas. Avoid breathing vap	
		le in accordance with good industrial h	
Conditions for safe storage, i			ygione and salety plactice.
Storage Conditions		tightly closed in a dry and well-ventilat	ed place. Keep from freezing. Do not
otorage conditions	reuse container		ica place. Neep nom neezing. Do not

Incompatible materials

Acids. Amphoteric metals (aluminum, copper, zinc).

## 8. EXPOSURE CONTROL S/PERSONAL PROTECTION

8	. EXPOSURE CONTROLS	5/PERSONAL PROTECTION						
ontrol parameters								
xposure Guidelines Chemical Name			NIOSH IDLH					
		OSHA PEL						
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>					
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>					
ppropriate engineering contr	ols							
ngineering Controls	Showers, eyewash stations							
	s, such as personal protective							
Eye/face protection	Splash proof chemical gogg							
Skin and body protection		<sup>™</sup> gloves or rubber gloves. Wear sui	table protective clothing.					
	Rubber boots recommended.							
Respiratory protection		ded or irritation is experienced, NIO						
		d be worn. Positive pressure supplie						
		ontaminant concentrations. Respirat	tory protection must be					
	provided in accordance with							
eneral Hygiene Consideratio		exposed skin thoroughly after handlin						
	-	euse. Do not eat, drink, or smoke w	hen using this product.					
	9. PHYSICAL AND CH	IEMICAL PROPERTIES						
formation on basic physical	and chemical properties							
hysical state	Liquid							
ppearance	Aqueous solution	Odor	Chlorine					
olor	Clear light-yellow	Odor threshold	No information available					
roperty	Values	Remarks • Method						
Н	14	kPa @ 20 °C						
lelting point/freezing point	< -7 °C / < 20 °F							
oiling point / boiling range	99-105 °C / 210-220 °F							
lash point	Not flammable							
vaporation rate	< 1							
lammability (solid, gas) lammability Limit in Air	No information available							
Upper flammability limit:	No information available							
Lower flammability limit:	No information available							
apor pressure	No information available							
apor density	> 1							
pecific Gravity	1.229 g/cc							
later solubility	Miscible in water							
olubility in other solvents	No information available							
artition coefficient	No information available							
utoignition temperature	No information available							
ecomposition temperature	No information available							
inematic viscosity	No information available							
ynamic viscosity	No information available							
xplosive properties	No information available							
xidizing properties	No information available							
OC Content (%)	0.00%							
	10. STABILITY	AND REACTIVITY						
eactivity								
lo data available								
hemical stability								
	This product will gradually lose s	ome of its oxidizing power over time	Elevated temperatures and					
ontaminants can rapidly acceler:	ate decomposition possible leadir	ng to a hazardous condition. See sec	tion 7 for storage procedures					
ossibility of Hazardous Reac		ig to a hazardous condition. Gee sec	and a lot storage procedures.					
one under normal processing.								
onditions to avoid								
xtremes of temperature and dir	ect sunlight.							
icompatible materials	eet earlight.							
cids Amphoteric metals (alumi	num copper zinc)							

Acids. Amphoteric metals (aluminum, copper, zinc).

Hazardous Decomposition Products Chlorine gas released on contact with acids, or during thermal decomposition. Carbon monoxide. Carbon dioxide (CO2).

		11. TC	OXICO	LOGIC		ATION			
Information on likely ro	outes of	exposure							
Product Information						, ,.	<i>.</i>		
Inhalation		Innalation	of vapo	rs in nigi	n concentration r	nay cause irritation of	of respir	ratory system. Vapors	
Eve contect					nose, throat, and			aguara damaga	
Eye contact					eyes. Corrosive	to the eyes and mag	y cause	severe damage	
Skin Contact		including t			o ovoro okin irrit	ation and possible b	irpo		
						•	ums.		
Ingestion Chemical Name		Oral I		eu. Can		oat, and stomach.	In	halation LC50	
Potassium hydroxide		= 284 mg			Derma		In	nalation LC50	
1310-58-3		- 204 mg	/ky (ital)					-	
Trade Secret 1		-			> 4640 mg	/kg (Rabbit)		-	
					_				
Sodium hypochlorite 7681-52-9		= 8200 mg	g/kg (Rat	)	> 10000 mg	/kg (Rabbit)		-	
Trade Secret 2		= 3 g/kg	g (Rat)		> 10 g/kg	(Rabbit)	> 4	2 g/m³ (Rat) 1 h	
			-						
Sodium hydroxide		-			= 1350 mg	'kg (Rabbit)		-	
1310-73-2	alast i f	ife etc							
Information on toxicolo	gical ef		ation at	ailah -					
Symptoms	offacto	No informa			n chart and le-	torm experies			
Delayed and immediate Sensitization	enects	No informa			in Short and ION	g-term exposure			
Germ cell mutagenicity	,	No informa							
					whathar agab ar	anay has listed any	inaradia	nt as a carsing gan	
Carcinogenicity Chemical Name			below in	laicales	IARC	ency has listed any i <b>NTP</b>	Ingreaie	osha sa carcinogen.	
Sodium hypochlorite - 7681	52.0	ACGIN			Group 3	NIP		USHA	
IARC (International Ag		- r Posoarch on Car			Gloup 3	-		-	
Group 3 - "not classifiat				hypochlo	rite salts)				
Reproductive toxicity		No informa			ine buildy				
STOT - single exposure	د	No informa							
STOT - repeated exposit		No informa							
Aspiration hazard	uic				the lungs (by as	niration)			
Numerical measures of	f toxicity					piradori).			
Unknown Acute Toxicit					ists of ingredient	(s) of unknown toxic	itv		
The following values ar									
Oral LD50	o cuica	4,232.00 r		••.					
Dermal LD50		69,385.00							
			<u> </u>						
Factoriaity		12. 5		JGICA	L INFORMAT	IUN			
Ecotoxicity									
Very toxic to aquatic life			<b>f</b>						
3.57% of the mixture con Chemical Name				wn naza	Fish	cenvironment		Crustacea	
Chemical Name Algae/aquatic plants Fish   Potassium hydroxide - 80: 96 h Gambusia affinis mg/L LC50 st.				ia mall I CEO atatia		Clusiacea			
1310-58-3		-		00. 90	o n Gambusia amin	is mg/L LC50 static		-	
Trade Secret 1		-		100: 96 h Oncorhynchus mykiss mg/L LC50			100: 48 h water flea mg/L EC50		
Sodium hypochlorite	0.095: 2	24 h Skeletonema	4	5 - 7.6: 9	6 h Pimephales pr	omelas mg/L LC50 stat	tic	2.1: 96 h Daphnia	
7681-52-9		costatum mg/L EC50		0.06 - 0.11: 96 h Pimephales promelas mg/L LC50 flow-through 0.4 - 0.8: 96 h Lepomis macrochirus mg/L LC50 static			magna mg/L EC50		
							0.033 - 0.044: 48 h		
				0.28 - 1: 96 h Lepomis macrochirus mg/L LC50 flow-through				Daphnia magna mg/L	
				0.03 - 0.19: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.05 - 0.771: 96 h Oncorhynchus mykiss mg/L LC50 flow-through			EC50 Static		
						iykiss mg/L LC50 flow- s mykiss mg/L LC50 st			
Trade Secret 2		-						1000: 48 h Daphnia	
Have Seviel 2		-		5560 - 6080: 96 h Lepomis macrochirus mg/L LC50 flow-through 12946: 96 h Lepomis macrochirus mg/L LC50 static 6420 - 6700: 96 h Pimephales promelas mg/L LC50 static			magna mg/L EC50		
							340.7 - 469.2: 48 h		
				6420 - 6700: 96 h Pimephales prometas mg/L LC50 static 6020 - 7070: 96 h Pimephales prometas mg/L LC50 static 7050: 96 h Pimephales prometas mg/L LC50 semi-static			Daphnia magna mg/L		
							EC50 Static		
			4747 -	7824: 96	h Oncorhynchus m	ykiss mg/L LC50 flow-	through		
Sodium hydroxide		-				ykiss mg/L LC50 static		-	
1310-73-2									
Poreistoneo and dograd	-l - l- !!!								

## Persistence and degradability No information available. Bioaccumulation

	emical Name	Partition coefficient						
Potas	sium hydroxide 1310-58-3		0.65 0.83					
Mobility	1010-00-0			0.0	~~			
Soluble in water.								
Other adverse effects	No information avail							
	13. DIS	SPOSAL CO	<b>NSIDER</b>	ATIONS				
Naste treatment methods	Dispession should be i		بينغلم مستعانهما	ale versionel verticuel				
Disposal of wastes Contaminated packaging	Disposal should be i Dispose of in accord				and local laws and reg	Julations		
	emical Name		nai, otato, a	California Hazardo	ous Waste Status			
	hydroxide - 1310-58-3			Toxic	Corrosive			
Sodium h	/droxide - 1310-73-2	RANSPORT		Toxic	Corrosive			
ООТ	14. 16	KANSPURI		ATION				
UN/ID No.	1760							
Proper shipping name		sive liquids, n.	o.s. (contair	is potassium hydroxid	de and sodium hypochle	orite)		
Hazard Class	8	• •	,	. ,		,		
Packing Group	II							
Emergency Response								
		GULATOR	<b>/ INFORM</b>	IATION				
nternational Inventories								
SCA SL/NDSL	No information No information							
	No information							
eaend:								
SCA - United States Toxic Sul								
DSL/NDSL - Canadian Domesti EINECS/ELINCS - European In				of Notified Chemical Su	bstances			
JS Federal Regulations			•					
SARA 313				• · · · · · · · · · · · · · · · · · · ·				
Section 313 of Title III of the chemicals which are subject								
SARA 311/312 Hazard Cate					actai regulations, i art	572		
Acute health hazard		Yes						
Chronic Health Hazard		No						
Fire hazard		No						
Sudden release of pres	sure hazard	No						
Reactive Hazard CWA (Clean Water Act)		No						
This product contains the fol	lowing substances whic	h are regulated	d pollutants	pursuant to the Clear	n Water Act (40 CFR 12	22.21		
and 40 CFR 122.42)	-	Ū.	•		,			
Chemical Name	CWA - Reportable Quantities	CWA - Toxic	Pollutants	CWA - Priority Pollu	Substance			
Potassium hydroxide 1310-58-3	1000 lb.	-		-	X			
Sodium hypochlorite 7681-52-9	100 lb.	-		-	X			
Sodium hydroxide 1310-73-2	1000 lb.	1000 lb X						
CERCLA								
This material, as supplied, o					inder the Comprehensiv	ve		
Environmental Response Co Chemical Name	Hazardous Subst			302) SLA/SARA RQ	Reportable Quantity	(RQ)		
Potassium hydroxide	1000 lb		-		RQ 1000 lb. final			
1310-58-3 Sodium hypochlorite	100 lb.			-	RQ 454 kg final RQ RQ 100 lb. final RQ			
7681-52-9 Sodium hydroxide	1000 lb	).		-	45.4 kg final RQ RQ 1000 lb. final			
1310-73-2		-			RQ 454 kg final R	۲Q		
<u>JS State Regulations</u> California Proposition 65								
This product does not contai	n any Proposition 65 ch	emicals						

Chemical Name		New Jersey		Massachuse	etts	Pennsylvania		
	sium hydroxide 1310-58-3		X		Х		X	
	Sodium hypochlorite 7681-52-9		Х		Х		X	
	Sodium hydroxide 1310-73-2		Х		Х		X	
J.S. EPA Labe	el Information						·	
PA Pesticide	Registration Num	nber	Not Applicable					
			16. OTH	ER IN	FORMATION			
IFPA	Health hazards	2	Flammability	0	Instability 1		Physical and Chemical Properties Corrosive, Alkaline	
<u>IMIS</u>	Health hazards	2	Flammability	0	Physical hazards	1	<b>Personal protection</b> C (safety glasses, gloves, synthetic apron)	
repared By			Technical Depa	rtment			5 , 5 , <b>5</b> , <b>7</b> , <b>1</b> ,	
ssue Date			14-Mar-2017					
Revision Date	)		3-June-2024					
ersion			4					
Revision Note	)							
ngredient infor	mation update							
Disclaimer								

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The health hazards given on this SDS apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of exposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

End of Safety Data Sheet