1. Product and Company Identification				
Product Code:	4791			
Product Name:	SOLID MACHINE DISH DETERGENT XL		Revision:	12/04/2017
			Supersedes Rev	vision: 07/25/2016
Manufacturer Information:				
Company Name:	Native Green LLC	Phone Nu	umber:	
	2110 E. Walton Blvd.	(888)456-	6444	
	Auburn Hills, MI			
	48326			
Web site address:	nativegreen.com			
Emergency Contact:	Chemtrec, Reference: CCN203605	(800)424-	9300	
Information:	info@nativegreen.com	(888)456-	6444	

2. Hazards Identification

Skin Corrosion/Irritation, Category 1A Serious Eye Damage/Eye Irritation, Category 1



GHS Signal Word: GHS Hazard Phrases:	Danger H314 - Causes severe skin burns and eye damage. H318 - Causes serious eye damage.
GHS Precaution Phrases:	P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves and eye protection.
GHS Response Phrases:	 P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician. P310 - Immediately call a POISON CENTER or doctor/physician. P321 - Specific treatment see appropriate section of the SDS. P363 - Wash contaminated clothing before reuse.
GHS Storage and Disposal Phrases:	P405 - Store locked up. P501 - Dispose of contents/container to trash after rinsing container.

Potential Health Effects (Acute and Chronic):			
Inhalation:	Material is irritating to mucous membranes and upper respiratory tract.		
Skin Contact:	Causes skin burns. May cause deep, penetrating ulcers of the skin. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.		
Eye Contact:	Causes eye burns. May cause chemical conjunctivitis and corneal damage. Lachrymator (substance which increases the flow of tears).		
Ingestion:	May cause severe and permanent damage to the digestive tract. Causes severe pain, nausea, vomiting, diarrhea, and shock. Harmful if swallowed.		
;	3. Composition/Information on Ingred	lients	
CAS # Hazardous Cor	nponents (Chemical Name) Concentration		
1310-73-2 Sodium hydroxid	de {Caustic soda; Lye solution} 50.0-65.0 %		
2809-21-4 1-Hydroxyethylic	dene-1,1-diphosphonic acid < 7.0 %		
	4. First Aid Measures		
Emergency and First Aid Procedures:			
In Case of Inhalation:	If inhaled, remove to fresh air. If breathing is difficult, Remove from exposure and move to fresh air immed		
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes clothing and shoes. Get medical aid immediately. Wa	-	
In Case of Eye Contact:	In case of contact, immediately flush eyes with plenty Get medical aid immediately. Assure adequate flush fingers.	-	
In Case of Ingestion:	Get medical aid immediately. If victim is fully conscion give anything by mouth to an unconscious person.	us, give a cupful of water. Never	
	5. Fire Fighting Measures		
Flash Pt:	No data.		
Explosive Limits:	LEL: No data. UEL: No data.		
Autoignition Pt:	No data.		
Suitable Extinguishing Med	lia: Substance is noncombustible; use agent most appro	priate to extinguish surrounding fire.	
	Do NOT get water inside containers.		
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing appara	atus in pressure-demand,	

Fire Fighting Instructions:As in any fire, wear a self-contained breathing apparatus in pressure-demand,
MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to
keep fire-exposed containers cool. Use water with caution and in flooding amounts.
Contact with metals may evolve flammable hydrogen gas.Flammable Properties andNo data available.

	6. Accidental Release Measures		
Steps To Be Taken In Case Material Is Released Or Spilled:	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section.		
7. Handling and Storage			
Precautions To Be Taken in Handling:	Wash thoroughly after handling. Keep container tightly closed. Avoid ingestion and inhalation. Discard contaminated shoes. Do not ingest or inhale. Avoid contact with eyes, skin, and clothing.		
Precautions To Be Taken in Storing:	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.		
8	Exposure Controls/Personal Protection		

6. Exposure controls/Fersonal Protection					
CAS #	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits
1310-73-2	Sodium hydroxide solution}	e {Caustic soda; Lye	PEL: 2 mg/m3	CEIL: 2 mg/m3	No data.
2809-21-4	1-Hydroxyethylide acid	ene-1,1-diphosphonic	No data.	No data.	No data.
Respiratory Equipment (Specify Type):		Respirator protection is not normally required.			
Eye Protection:		Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.			
Protective GI	oves:	Wear appropriate p	protective gloves to	prevent skin exposure.	
Other Protec	tive Clothing:	Wear appropriate p	protective clothing to	prevent skin exposure.	
Engineering Controls		Facilities storing or utilizing this material should be equipped with an eyewash facility and			
(Ventilation e	etc.):	a safety shower.			
Work/Hygien Practices:	ic/Maintenance	Wash thoroughly a	fter handling.		

9. Physical and Chemical Properties

Physical States:	[]Gas []Liquid [X]Solid
Appearance and Odor:	Mild odor.
	White to off-white solid block
Melting Point:	No data.
Boiling Point:	No data.
Autoignition Pt:	No data.
Flash Pt:	No data.
Explosive Limits:	LEL: No data. UEL: No data.
Specific Gravity (Water = 1):	~ 1.0
Vapor Pressure (vs. Air or	No data.
mm Hg):	
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate:	No data.
Solubility in Water:	>90%

pH: Percent Vola		• 12.0 No data.				
Percent vola	ine:		nd Poactivit	N/		
Stability:		10. Stability a Jnstable [] Stable [X]	nd Reactivit	У		
Conditions To Avoid -		Unstable [] Stable [X] Avoid contact with acids, reducing agents, oxidizers, nitrogen oxides, amines, ammonia or other nitrogen containing compounds. Exposure to moist air or water, Excess heat.				
Incompatibility - Materials To Sulfur oxides. Metals. Acids, Aluminum, Zi Avoid: acids. fluorine, Hydrogen peroxide.				elatin, nitromet	hane, leathe	er, Strong
Hazardous D Byproducts:	ecomposition or ⁻	Toxic fumes of sodium oxide, Carbon monoxide, Carbon dioxide.				
Possibility of Reactions:	Hazardous	Will occur [] Will not oc	cur [X]			
Conditions T Hazardous R		No data available.				
		11. Toxicologic	al Informati	on		
-		No data available.				
CAS #		onents (Chemical Name)	NTP	IARC	ACGIH	OSHA
1310-73-2	Sodium hydroxide	{Caustic soda; Lye solution}	n.a.	n.a.	n.a.	n.a.
2809-21-4	1-Hydroxyethylider	e-1,1-diphosphonic acid	n.a.	n.a.	n.a.	n.a.
		12. Ecologica	I Informatio	n		
	I	No data available.				
		13. Disposal C	onsideration	າຣ		
Waste Dispo	i	Chemical waste generators r as a hazardous waste. US El n 40 CFR Parts 261. Additio nazardous waste regulations	PA guidelines for t nally, waste gener	he classification ators must cons	n determinat sult state an	ion are listed d local
		14. Transpor	t Informatior	١		
DOT Prop	SPORT (US DOT): per Shipping Nam ard Class:	e: Corrosive solid, basic, in 1-Hydroxyethylidene-1,1- 8 CORRO	diphosphonic acid	•	9,	
UN/NA N		UN3262	Packing Gr	oup:	II	
		15. Regulator	y Informatio	n		
EPA SARA (S CAS # 1310-73-2	Hazardous Comp	nts and Reauthorization Act o onents (Chemical Name) {Caustic soda; Lye solution}	of 1986) Lists S. 302 (EHS) No	S. 304 RQ Yes 1000 LB	S. 31 3 No	s (TRI)
2809-21-4	1-Hydroxyethylider	e-1,1-diphosphonic acid	No	No	No	

CAS #	Hazardous Components (Chemical Name)
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}
2809-21-4	1-Hydroxyethylidene-1,1-diphosphonic acid

Other US EPA or State Lists

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -Inventory; CA PROP.65: No CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -Inventory; CA PROP.65: No

Additional Information About No data available. This Product:

Company Policy or Disclaimer:

The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.