

NATIONAL CHEMICAL LABORATORIES, INC.

SAFETY DATA SHEET

	Section 1 - Ide	entification			
Product Identifier	BIG PUNCH Instant Acting Ove	n & Grille Renovator			
Other means of identification	1104				
Recommended use	Cold Oven & Grille Renovator				
Recommended restrictions	For commercial and industrial	use only.			
Manufacturer / Importer / Supp	lier / Distributor Information				
Company Name	National Chemical Laboratories of PA, Inc.				
Address	401 N. 10th Street - Philadelphia, PA 19123				
Telephone	1 (215) 922-1200				
Supplier Email	info@nclonline.com				
Contact	CHEM-TEL				
Emergency Phone	1 (800) 255-3924				
	Section 2 - Hazard(s) Identification			
	Classification	Category			
Physical Hazards	Not Classified				
Health Hazards	Serious eye damage/eye irritation	1			
	Skin corrosion/irritation	1			

OSHA defined hazards Label Elements Hazard Symbol

Not Classified.

Signal Word	Danger
Hazard Statement	Causes severe skin burns and eye damage.
Precautionary statement	
Prevention	Do not breathe spray or mist. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see this label). Wash contaminated clothing before reuse.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.

Section 3 - Composition/Information on ingredients					
Mixture					
Hazardous Components	Ingredient Name	CAS #	%		
	Sodium Hydroxide	1310-73-2	10 - 20		
	Disodium metasilicate	6834-92-0	1 - 5		
	Section 4 - First-aid	d Measures			
Inhalation	If breathing is difficult, remove to fresh air and keep symptoms develop or persist.	at rest in a position comfortable for breathir	ng. Call a physician if		
Skin contact	Take off immediately all contaminated clothing. Rin: immediately. Chemical burns must be treated by a p				
Eye contact	Immediately flush eyes with plenty of water for at le Continue rinsing. Call a physician or poison control o		esent and easy to do.		
Ingestion	Call a physician or poison control center immediatel so that stomach content doesn't get into the lungs.	y. Rinse mouth. Do not induce vomiting. If vo	omiting occurs, keep head low		

Most Important symptoms or effects, acute and delayed

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed

General Information

Hand protection

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

	Section 5	- Fire-figl	hting measur	'es			
Suitable extinguishing media	Water fog. Foam. Dry chemical po	wder. Carbon	dioxide (CO2).				
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.						
Specific hazards arising from the chemical	During fire, gases hazardous to he	During fire, gases hazardous to health may be formed.					
Special protective equipment and precautions for firefighters	Self-contained breathing apparate	us and full prote	ective clothing must l	be worn in case of fire.			
Fire-fighting equipment /instructions	Move containers from fire area if	you can do it w	rithout risk.				
General fire hazards	No unusual fire or explosion haza	rds noted.					
Specific Methods	Use standard firefighting procedu	res and conside	er the hazards of othe	er involved materials.			
	Section 6 - Ad	ccidental	release mea	sures			
Personal precautions, protective equipment and emergency procedures.	appropriate protective equipment containers or spilled material unle	t and clothing c ess wearing app	luring clean-up. Do n propriate protective c	nd of spill/leak. Keep out of low areas. Wear ot breathe mist or vapor. Do not touch damaged lothing. Ensure adequate ventilation. Local authorities sonal protection, see section 8 of the SDS.			
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.						
Environmental precautions	Avoid discharge into drains, water	r courses or on	to the ground.				
	Section 7	' - Handliı	ng and storag	ze			
Precautions for safe handling							
		Do not breathe spray or mist. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.					
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original t	ightly closed co	ontainer. Store away	from incompatible materials (see Section 10 of the SDS).			
	Section 8 - Expos	ure conti	rol/personal j	protection			
Occupational exposure limits							
US. OSHA Table Z-1 Limits for	Air Contaminants (29 CFR 1910.10	00)					
Components		Туре	Value	Form			
Sodium Hydroxide (CAS 131	10-73-2)	TWA	2 mg/m³				
US. ACGIH Threshold Limit Va	alues						
Component		Туре	Value	Form			
Sodium Hydroxide (CAS 131	10-73-2)	Ceiling	2 mg/m³				
US. NIOSH: Pocket Guide to C	hemical Hazards						
Components		Туре	Value				
Sodium Hydroxide (CAS 131	10-73-2)	Ceiling	2 mg/m³				
Biological limit values	No biological exposure limits note	0	0.				
Appropriate engineering controls	conditions. If applicable, use proc airborne levels below recommend	ess enclosures, ded exposure li	local exhaust ventila mits. If exposure limit	used. Ventilation rates should be matched to tion, or other engineering controls to maintain ts have not been established, maintain airborne er must be available when handling this product.			
Individual protection measures	uch as personal protective equipme		0				
Eye/face protection	If use of product risks exposure to		safety glasses with si	de shields.			
Skin protection							

	Section 9 - Physical and chemical properties
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. No personal respiratory protective equipment normally required.
Other	If use of product risk exposure to contact, wear suitable protective clothing.

Appearance	Clear.
Physical state	Liquid.
Form	Thin clear liquid.
Color	Yellow.
Odor	Odorless.
Odor threshold	Not available.
рН	13.6
Melting point/freezing point	Not available.
Initial boinging point and	212 °F (100 °C)
boiling range	
Flash point	> 212.0 °F (> 100.0 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or expl	osive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Similar to water.
Vapor density	Similar to water.
Relative density	1.16 ± 0.01
Relative density temperature	75 °F (23.9 °C)
Solubilities (water)	Not available.
Partition Coefficient n-	Not available
octanol/water	
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity	< 10 cP
Viscosity Temperature	75 °F (23.9 °C)

Section 10 - Stability and reactivity

Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possiblity of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Do not mix with other chemicals. Contact with incompatible materials.
Incompatible materials	Acids. Oxidizing agents.
Hazardous Decomposition Products	No hazardous decomposition products are known.

Section 11 - Toxicological information

Information on likely routes of	exposure
Ingestion	Causes digestive tract burns.
Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes severe skin burns.
Eye contact	Causes serious eye damage.
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects.

Acute toxicity	Not expected to be acutely toxic.					
Components		Level	Туре	Code	Species	Results
Disodium metasilicate (CAS 6	6834-92-0)	Acute	Dermal	LD50	Rat	>5000 mg/kg, 24 hours

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Reproductive toxicity This product is not expected to cause reproductive or developmental effects. Specific target organ toxicity - ingite exposure Not classified. Specific target organ toxicity - repeated exposure Not classified. Aspiration hazard Not classified. Chronic effects Prolonged inhalation may be harmful. Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. No data is available on the degradability of this product. No data available. Mobility in soil No data available. Mobility in general No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. Specific tregule regulations Dispose in accordance with applicable federal, state, and local regulations. Usate from residues / unused product sent accordance with applicable regulations. Waste code Waste form residues / unused product sent accordance with all applicable regulations. Dispose in accordance with all applicable regulations. Waste form residues / unused products Since emptied containers may retain product re			UALEII					
And the original LDS0 Rat 994.7 - 133.5 m (n)			Acute	Inhalation	LC50	Rat	> 2.06 mg/l, 4 hours	
Sector Acta Oral LDS0 Rabbit S00 mg/kg Sincerresion/Trinsformation Causes server sinb mers and eve damage. Source sector			Acute	Oral	LD50	Mouse	661.5 - 896.3 mg/kg	
Skin cardinal section of the angle of the section of the angle. Section of the angle of the section of the section of the angle of the section of the angle of the section of the angle of the section of the sec			Acute	Oral	LD50	Rat	994.7 - 1335.9 mg/kg	
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ERG Code 8L	Packaging group	II						
	Environmental hazards	No.						
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.	ERG Code	8L						
Other Information		Read safety instructions	s, SDS and emerg	gency procedures b	efore handling.			

IMDG	
UN number	UN1824
UN proper shipping name	SODIUM HYDROXIDE SOLUTION
Transport hazard class(es)	8
Packaging group	II
Environmental hazards Marine pollutant	No.
EmS	F-A, S-B
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code	This substance/mixture is not intended to be transported in bulk.

Europe

Japan

Korea

New Zealand

Philippines

		Section 15 -	Regulatory Information			
US federal regulations	US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.					
	SCA Inventory List.					
TSCA Section 12(b) Exp	Not regulated.					
US. OSHA Specifically	0) Not listed.					
CERCLA Hazardous Sul						
Component	S		Result			
Sodium Hyd	Iroxide (CAS 1310-73-2)		LISTED			
Superfund Amendmer	nts and Reauthorization	Act of 1986 (SARA)				
Hazard Categories	Immediate Hazard	Yes				
nazara categories	Delayed Hazard	No				
	Fire Hazard	No				
	Pressure Hazard	No				
	Reactivity Hazard	No				
SARA 302 Extremely h	•	Not listed.				
SARA 302 Extremely in SARA 311/312 Hazard		Yes				
SAKA 311/312 Hazaru	ous chemical	res				
SARA 313 (TRI reportir	ng)	Not regulated.				
Other federal regulations						
Clean Air Act (CAA) See	ction 112 Hazardous Air F	Pollutants (HAPs) List	Not listed.			
Clean Air Act (CAA) See	ction 112(r) Accidental Re	elease Prevention (40	D CFR 68.130) Not regulated.			
Safe Drinking Water A	ct (SDWA) Not regu	llated.				
Food and Drug Admini						
US state regulations	, ,					
US.Massachusetts RTK	- Substance List	Comp	oonents			
		Sodiu	m Hydroxide (CAS 1310-73-2)			
US.New Jersev Worker	and Community Right-to		ponents			
· · · · · · · · · · · · · · · · · · ·		-	Sodium Hydroxide (CAS 1310-73-2)			
US.Pennsylvania RTK - I	Hazardous Substances		Components			
		•	Sodium Hydroxide (CAS 1310-73-2)			
US.Rhode Island RTK						
03. KIIOde Island KIK		•	ponents			
			m Hydroxide (CAS 1310-73-2)			
US - California Proposition 65			California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to expose you to any chemicals currently listed as carcinogens or			
		repro	ductive toxins.			
International Inventories						
Country(s) or region	Country(s) or region Inventory Name			On Inventory (yes/no)*		
Australia	Australia	n Inventory of Chem	ical Substances (AICS)	Yes		
Canada	Domesti	c Substances List (DS	L)	Yes		
Canada	Non-Don	nestic Substances Lis	t (NDSL)	No		
China Inventory of Existing Chemical Substances in China (IECSC)			al Substances in China (IECSC)	Yes		
Europe European Inventory of Existing Commercial Chemical Substances (EINECS)			No			

European List of Notifed Chemical Substances (ELINCS)

Existing Chemicals List (ECL)

New Zealand Inventory

Inventory of Existing and New Chemical Substances (ENCS)

Philippine Inventory of Chemicals and Chemical Substances

No

No

Yes

Yes

Yes

Unites States Puerto Rico Toxic Substances Control Act (TSCA) Inventory

Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 - Other information, including date of preparation or last version	
Revision date	6/1/2023
Version #	03
HMIS Hazard Codes	PPE A
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warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.