

NATIONAL CHEMICAL LABORATORIES, INC.

SAFETY DATA SHEET

Section 1 - Identification

Product Identifier	CHEM-EEZ Heavy Duty Cleaner / Degreaser RTU (1:3 - 1:16)
Other means of identification	1001 (1-3, 1-16)
Recommended use	Alkaline cleaner.
Recommended restrictions	For Commercial and Industrial Use Only. User prepared Ready-To-Use solution. 1:3 to 1:16 water
Manufacturer / Importer / Suppli	er / 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

SDS Hazards an	- ·	t. Refer to diluted SDS for Ready-To-Use Hazards an	nd Warnings.
	Classification	Category	
Physical Hazards	Not Classified		
Health Hazards	Serious eye damage/eye irritation	1	
	Skin corrosion/irritation	1	
OSHA defined hazards	Not Classified.		
Label Elements			
Hazard Symbol			
Signal Word	Danger		
Hazard Statement	Causes severe skin burns and eye damage.		
Precautionary statement			
Prevention	Do not breathe mist or vapor. Wash thoroug	hly after handling. Wear protective gloves/clothing a	nd eye/face protection.
Response	Rinse skin with water/shower. Wash contam	omiting. If on skin (or hair): Take off immediately all c ninated clothing before reuse. If inhaled: Remove pers a poison center/doctor. If in eyes: Rinse cautiously wi insing.	son to fresh air and keep
Storage	Store locked up.		
Disposal	Dispose of contents/container in accordance	e with local/regional/national/international regulation	IS.
Hazard(s) not otherwise classified (HNOC)	Not classified.		
	Section 3 - Composition/I	nformation on ingredients	
Mixture			
Hazardous Components	Ingredient Name	CAS #	%
	Nonylphenol, ethoxylated	9016-45-9	0.1 - 1
	2-Butoxyethanol	111-76-2	0.1 - 1
	Sodium Hydroxide	1310-73-2	0.1 - 1
Composition Comments Cor	mponents not listed are either non-hazardous or	are below reportable limits.	
	Section 4 - Firs	st-aid Measures	
Inhalation	If respiratory irritation or distress occurs, ren apply artificial respiration. CONSULT A PHYSI	nove victim to fresh air. If breathing is difficult, give o ICIAN.	xygen. If breathing stops,
Skin contact	Remove contaminated clothing and shoes. W attention. Wash contaminated clothing befo	Vash off immediately with plenty of water for at least re reuse.	: 15 minutes. Get medical
	CHEM-EEZ Heavy	Duty Cleaner / Degreaser RTU (1:3 - 1:16) 1001 (1	3, 1-16) Page 1 of (

Eye contact	remove contact lenses	s. Continue to rinse for			
Ingestion	Rinse mouth thoroughly with water. DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration. Call a physician or poison control center immediately.				
Most Important symptoms	Causes skin and eye burns.				
/effects, acute and delayed Indication of immediate medical	Treat symptomatically	<i>.</i>			
attention and special treatment General Information	Ensure that medical pe	ersonnel are aware of t	ne material(s) involved, and take p	precautions to protect themselve	es.
			ghting measures		
Suitable extinguishing media Unsuitable extinguishing media	·	uport combustion. Wat s an extinguisher, as th	er fog. Foam. Carbon dioxide (CO2 s will spread the fire.	2).	
Specific hazards arising from the chemical	During fire, gases haza	ardous to health may be	formed.		
Special protective equipment and precautions for firefighters	Self-contained breathi	ng apparatus and full p	rotective clothing must be worn in	case of fire.	
Fire-fighting equipment /instructions	Move containers from containers cool.	fire area if you can do	t without risk. Use water spray to	keep fire-exposed	
	Sectio	n 6 - Accident	al release measures		
Personal precautions, protective equipment and emergency	Isolate area. Keep unn	ecessary personnel aw	ay. Use personal protection as reco	ommended in Section 8 of the S	DS.
procedures. Methods and materials for containment and cleaning up	Large Spills: Absorb sp	illage with suitable abs ill with vermiculite or c ea thoroughly with wat	ther inert material, then place in a	container for chemical waste. /	After removal
Environmental precautions	Avoid discharge into d	rains, water courses or	onto the ground.		
Environmental precautions			Iing and storage		
Environmental precautions Precautions for safe handling	Se Do not get in eyes, on	ction 7 - Hand skin, or on clothing. Do	ling and storage not breathe mist or vapor. Do not		
Precautions for safe handling Conditions for safe storage,	Se Do not get in eyes, on	ction 7 - Hand skin, or on clothing. Do oughly after handling.	ling and storage not breathe mist or vapor. Do not Jse Personal Protective Equipmen		
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US.NIOSH: Pocket Guide to C	Chemical Hazards	
Component		Exposure
2-Butoxyethanol (CAS 111	-76-2)	Can be absorbed though the skin.
US.OSHA Table Z-1 Limits for	r Air Contaminants (29 CFR 1910.100)	
Components		Exposure
2-Butoxyethanol (CAS 111	-76-2)	Can be absorbed though the skin.
US.OSHA Table Z-1-A (29 CFF	R 1910.100)	
Components		Exposure
2-Butoxyethanol (CAS 111	-76-2)	Can be absorbed though the skin.
US.Tennesee. OELs Occupat	ional Exposure Limkits, Table Z1A	
Components		Exposure
2-Butoxyethanol (CAS 111	-76-2)	Can be absorbed though the skin.
Appropriate engineering controls	Provide adequate ventilation and min supply and eye wash facilities.	nimize the risk of inhalation of vapors and mists. Provide easy access to water
Individual protection measures,	such as personal protective equipment	
Eye/face protection	If use of product risks exposure to co	ntact, wear safety glasses with side shields.
Skin protection		
Hand protection	Impervious gloves are recommended	l for prolonged use.
Other	If use of product risk exposure to contact, wear suitable protective clothing.	
Respiratory protection	Use a respirator when local exhaust or ventilation is not adequate to keep exposures below the OEL. In a confined space a supplied respirator may be required.	
Thermal hazards	Wear appropriate thermal protective	clothing, when necessary.
General hygiene considerations	, , ,,	ne measures, such as washing after handling the material and before eating, drinking, k clothing and protective equipment to remove contaminants.

Section 9 - Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Clear liquid.
Color	Pale Purple.
Odor	Sassafras.
Odor threshold	Not available.
рН	12.5 - 13.4
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 applicable.
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	1.01 ± 0.01
Relative density temperature	75 °F (23.9 °C)
Solubilities (water)	100 % Soluble.
Partition Coefficient	Not available
n-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	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possiblity of hazardous reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Contact with incompatible materials.

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			SAFET	TY DATA SH	EET		
Incompatible materials	S	trong oxidizing age	ents.				
Hazardous Decompositic Products	on C	Carbon monoxide. Carbon dioxide.					
		Sec	tion 11 - ⁻	Toxicological	informati	ion	
Information on likely rou	utes of expos	sure					
Ingestion	Ν	/lay be harmful if sv	wallowed.				
Inhalation	Ν	/lay cause burns in	mucous memb	ranes, throat, esophagu	is and stomach	n.	
Skin contact	C	auses skin burns.					
Eye contact	C	auses serious eye o	damage.				
Symptoms related to the physical, chemical and toxicological characterist		auses skin and eye	burns. Sympto	ms may be delayed.			
Information on toxicolog	gical effects.						
Acute toxicity	Ν	/lay be harmful if sv	wallowed.				
Components		•	Level	Туре	Code	Species	Results
2-Butoxyethanol (C	AS 111-76-2)		Acute	Dermal	LD50	Rabbit	400 mg/kg
			Acute	Inhalation	LC50	Mouse	700 ppm, 7 hours
			Acute	Inhalation	LC50	Rat	450 mg/l, 4 hrs
			Acute	Oral	LD50	Guinea pig	1.2 g/kg
			Acute	Oral	LD50	Mouse	1519 mg/kg
			Acute	Oral	LD50	Rabbit	0.32 g/kg
			Acute	Oral	LD50	Rat	560 mg/kg
Nonylphenol, ethoxylated (CAS 9016-45-9)		Acute	Oral	LD50	Mouse	4290 mg/kg, bw	
Sodium Hydroxide ((CAS 1310-73	-2)	Acute	Oral	LD50	Rabbit	500 mg/kg
Skin corrosion/irritation		, Causes skin burns. C	auses serious e	eve damage.			0, 0
Serious eye damage/ eye		Causes serious eye o		, 0			
Respiratory sensitization	n N	lot classified.					
Skin sensitization		lot available.					
Germ cell mutagenicity		lot classified.					
Carcinogenicity		lot classified.					
IARC Monographs. Over			v				
Component			,	Result	Commen	t	
2-Butoxyethanol (CAS 11	1-76-2)			3		ifiable as to carcinoge	enicity to
Reproductive toxicity	Ν	lot classified.					
Specific target organ tox single exposure		lot classified.					
Specific target organ tox repeated exposure	cicity - N	lot classified.					
Aspiration hazard	Ν	lot classified.					
		Se	ction 12	- Ecological In	formatio	n	
Ecotoxicity	Т			which is toxic to aquatic			
Component(s) Nonylphenol, ethoxyla							
Aquatic							
Level Ty	/pe		Code	Species		Test Re	esults
Acute Cru	ustacea		EC50	Daphnia magna		65 mg	/l, 48 hours

Level	Туре		Code	Species	Test Results
Acute	Crustacea		EC50	Daphnia magna	65 mg/l, 48 hours
	Crustacea		EC50	Water flea (Daphnia magna)	12.2 mg/l, 48 hours
	Fish		LC50	Bluegill (lepomis macrochirus)	1 - 1.8 mg/l 96 hours
Persistence and	degradability	The product is exp	ected to be biod	egradable.	
Bioaccumulativ	e potential	Not known.			
Partition co	eficient n-octano	l / water log (Kow)			
Compone	ents			Results	
2-Butoxy	ethanol (CAS 111	-76-2)		0.83	
Mobility in soil		Not available.			
Mobility in gene	eral	The product is wat	er soluble and m	nay spread in water systems.	
Other adverse e	effects	None known.			

Section 13 - Disposal considerations

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Disposal instructions	Dispose in accordance with applicable federal, state, and local regulations.
Local disposal regulations	Dispose of in accordance with local regulations.
Hazardous waste code	Waste codes should be assigned by the user based on the application for which the product was used.
Waste from residues / unused	Dispose in accordance with all applicable regulations.
products	
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 - Transport information

General Information

This product is customer diluted for on site use only. No transportation information is anticipated or provided. The regulatory transport classification of the product without consideration to dilution strength, packaging, quantity, or modal restrictions and exceptions can not be anticipated. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped.

Section 15 - Regulatory Information

US federal regulations	This product is a	a "Hazardous C	Chemical" as defined by the OSHA Hazar	rd Communication Standard,	29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)			Not regulated.		
US. OSHA Specifically	Regulated Substances (29	9 CFR 1910.10	01-1050) Not listed.		
CERCLA Hazardous Su	bstance List (40 CFR 302.4	4			
Componen	ts		Result		
Sodium Hy	droxide (CAS 1310-73-2)		LISTED		
	hanol (CAS 111-76-2)		LISTED		
	nts and Reauthorization A	Act of 1986 (S/			
Hazard Categories	Immediate Hazard	Yes			
nazara categories	Delayed Hazard	No			
	Fire Hazard	No			
	Pressure Hazard	No			
	Reactivity Hazard	No			
SARA 302 Extremely h	,	No			
SARA 311/312 Hazard		Yes			
SARA 313 (TRI reporti					
	nical name		CAS #	% by wt.	
2-Bu	toxyethanol		111-76-2	0.1 - 1	
Other federal regulations					
•	ection 112 Hazardous Air I	Pollutante (HS	Dc) List Not rea	gulated.	
• • •	ection 112(r) Accidental R	•	, ,	gulated.	
Safe Drinking Water A	• •				
	istration (FDA) Not regu				
US state regulations		ulatea.			
US.Massachusetts RT	K - Substance List		Components		
			Sodium Hydroxide (CAS 1310-73-2)		
			2-Butoxyethanol (CAS 111-76-2)		
US.New Jersey Worke	er and Community Right-t	o-Know Act	Components		
			Sodium Hydroxide (CAS 1310-73-2)		
			2-Butoxyethanol (CAS 111-76-2)		
LIS Pennsylvania RTK	- Hazardous Substances		Components		
05.r ennsylvania krik			Sodium Hydroxide (CAS 1310-73-2)		
UC Dhada Island DTK			2-Butoxyethanol (CAS 111-76-2)		
US.Rhode Island RTK			Components		
			Sodium Hydroxide (CAS 1310-73-2)		
			2-Butoxyethanol (CAS 111-76-2)		
US - California Proposition 65		California Safe Drinking Water and To material is not known to contain any		· · ·	
			reproductive toxins.	chemicals currently listed as	carcinogens of
International Inventories					
Country(s) or region	Inventor	v Name			On Inventory (yes/no)*
Australia		-	of Chemical Substances (AICS)		Yes
Canada		tic Substances			Yes
Canada			inces List (NDSL)		No
China			Chemical Substances in China (IECSC)		Yes
	invento	, or Existing			105

Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notifed Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	Yes
Unites States Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Vos" indicatos this product o	amplies with the inventory requirements administered by the governing country(s)	

*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	1/17/2018
Version #	02
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