

# NATIONAL CHEMICAL LABORATORIES, INC.

Category

# SAFETY DATA SHEET

Section	1 -	Ident	tificat	tion

Product Identifier	MICRO-CHEM PLUS Detergent Disinfectant Cleaner				
Other means of identification	0255				
Recommended use	Disinfectant.				
<b>Recommended restrictions</b>	EPA Registered Product. For commercial and industrial use only.				
Manufacturer / Importer / Supplier / 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				

Classification

### Section 2 - Hazard(s) Identification

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

Physical Hazards	Not Classified		
Health Hazards	Serious eye damage/eye irritation	1	
	Skin corrosion/irritation	2	
Environmental Hazards		Category	
	Hazardous to the aquatic environment, acute hazard.	1	
	Hazardous to the aquatic environment, long-term hazard.	2	
OSHA defined hazards	Not Classified.		
Label Elements			
Hazard Symbol			
Signal Word	Danger		
Hazard Statement	Causes skin irritation. Causes serious eye damage. Very toxic to	aquatic life. Toxic to aquatic life w	ith long lasting effects.
Precautionary statemer	nt		
Prevention	Wash thoroughly after handling. Avoid release to the environm	ent. Wear protective gloves. Wear	eye/face protection.
Response	Collect spillage. If on skin: Wash with plenty of water. If in eyes: contact lenses, if present and easy to do. Continue rinsing. Imm this label). If skin irritation occurs: Get medical advice/attention	ediately call a poison center/docto	or. Specific treatment (se
Storage	Store away from incompatible materials.		
Disposal	Dispose of contents/container in accordance with local/regiona	l/national/international regulation	IS.
Hazard(s) not otherwise classified (HNOC)	e None known.		
	Section 3 - Composition/Information	on ingredients	
Mixture	Section 3 - Composition/Information	on ingredients	
Mixture Hazardous Components	Section 3 - Composition/Information	on ingredients CAS #	%
	- Ingredient Name Sodium Carbonate	CAS # 497-19-8	% 1 - 5
	- Ingredient Name Sodium Carbonate 4-Nonylphenol, branched, ethoxylated	CAS # 497-19-8 127087-87-0	1 - 5 1 - 5
	- Ingredient Name Sodium Carbonate	CAS # 497-19-8	1 - 5
Hazardous Components	Ingredient Name Sodium Carbonate 4-Nonylphenol, branched, ethoxylated _Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride (Alternate CAS 68956-79-6) _Alkyl Dimethyl Benzyl Ammonium Chloride (C12-C18)	CAS # 497-19-8 127087-87-0 85409-23-0 68391-01-5	1 - 5 1 - 5
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Skin contact	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most Important symptoms /effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment	If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.
General Information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
	Section 5 - Fire-fighting measures
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. 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 health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment /instructions	Move containers from fire area if you can do so without risk.
General fire hazards Specific Methods	Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.
	Section 6 - Accidental release measures
Personal precautions, protective	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective
equipment and emergency procedures.	equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal 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 product from entering drains. 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. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.
Environmental precautions	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.
	Section 7 - Handling and storage
Precautions for safe handling	Do not get this material in contact with eyes. Avoid contact with skin. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.
Conditions for safe storage, including any incompatibilities	DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
	Section 8 - Exposure control/personal protection
Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
	uch as personal protective equipment
Eye/face protection	If use of product risks exposure to contact, wear safety glasses with side shields.
Skin protection	Impanyious alougs are recommanded for prolonged use
Hand protection Other	Impervious gloves are recommended for prolonged use. If use of product risk exposure to contact, wear suitable protective clothing.
	In case of insufficient ventilation, wear suitable respiratory equipment.
Respiratory protection	הרכשב טר השעורוגורו עבורוומנוטה, שבמר שנונמטוב רבאוומנטרץ בעטואווופרונ.

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Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking,
considerations	and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### Section 9 - Physical and chemical properties

	Occilon 5	- r nysica			cities		
Appearance							
Physical state	Liquid.						
Form	Thin Liquid.						
Color	Yellow, clear.	Yellow, clear.					
Odor	Citrus.						
Odor threshold	Not available.						
рН	11.8						
Melting point/freezing point	> 32 °F (> 0 °C)						
Initial boinging point and boiling range	> 212 °F (> 100 °C)						
Flash point	> 201 °F (> 93.9 °C) Pens	sky-Martens Clo	sed Cup				
Evaporation rate	Not available.	,					
Flammability (solid, gas)	Not available.						
Upper/lower flammability or expl							
Flammability limit - lower (%)	Not available.						
Flammability limit - upper (%)	Not available.						
Explosive limit - lower (%)	Not available.						
Explosive limit - upper (%)	Not available.						
Vapor pressure	Not available.						
Vapor density	Not available.						
Relative density	$1.04 \pm 0.01 \text{ g/ml}$						
Relative density temperature	75 °F (23.9 °C)						
Solubilities (water)	Complete.						
Partition Coefficient	Not available						
n-octanol/water							
Auto-ignition temperature	Not Available						
Decomposition temperature	Not Available						
Viscosity	<10 cSt						
Viscosity Temperature	75 °F (23.9 °C)						
	Secti	ion 10 - St	tability and	reactivit	v		
Reactivity	The product is stable an		-		-	*†	
Chemical stability	Material is stable under						
Possiblity of hazardous reactions				luse			
Conditions to Avoid	No dangerous reaction known under conditions of normal use. Avoid temperatures exceeding the flash point. Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals. Contact with incompatible materials.						
Incompatible materials	Strong oxidizing agents.						
Hazardous Decomposition				rogen and amm	onia, carbon dioxid	e, carbon monoxide and other	
Products	low molecular weight hy		yield baldes of file				
Section 11 - Toxicological information							
Information on likely routes of exposure							
Ingestion	May be harmful if swalld	owed.					
Inhalation	Prolonged inhalation ma	ay be harmful.					
Skin contact	Causes skin irritation.						
Eye contact	Causes serious eye dama	age.					
Symptoms related to the physical, chemical and	Symptoms may include s		-	g, and blurred vi	sion. Permanent e	ye damage including blindness	
toxicological characteristics			paili				
Information on toxicological effects.							
Acute toxicity							
Components		Level	Туре	Code	Species	Results	
_Alkyl (68% C12, 32% C14) di ammonium		Acute	Dermal	LD50	Rabbit	> 2000 mg/kg	
chloride (Alternate CAS 6895)	6-79-6) (CAS 85409-23-0)						
		A . I .	Labor Lates	1050		<b>2</b> 0 //	

Acute

LC50

Inhalation

> 20 mg/l

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_Alkyl Dimethyl Benzyl A C18) (CAS 68391-01-5)	mmonium Chloride (C12-	Acute	Dermal	LD50	Rabbit	> 2000 mg/kg	
, ( ,		Acute	Dermal	LD50	Rat	1420 mg/kg	
		Acute	Inhalation	LC50		> 20 mg/l	
		Acute	Oral	LD50	Rat	500 - 5000 mg/kg	
Sodium Carbonato (CAS	407 10 9)		Inhalation	LC50	Rat	2300 mg/m <sup>3</sup> , 2 Hours	
Sodium Carbonate (CAS	Causes skin irritation.	Acute	IIIIdidtion	LCSU	Ndl	2500 mg/m , 2 hours	
•							
Serious eye damage/ eye rritation	Causes serious eye dam	lage.					
Respiratory sensitization Not available.							
Skin sensitization	This product is not expe	ected to cause	e skin sensitization.				
Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genoto						utagenic or genotoxic.	
Carcinogenicity	This product is not cons	idered to be	a carcinogen by IARC,	ACGIH, NTP, or	OSHA.		
Reproductive toxicity	This product is not expe	ected to cause	e reproductive or deve	lopmental effe	cts.		
Specific target organ toxicity single exposure	- Not applicable.						
Specific target organ toxicity repeated exposure	- Not applicable.	Not applicable.					
Aspiration hazard	Not likely, due to the fo	rm of the pro	duct.				
	Sect	ion 12 -	Ecological In	formation	n in the second s		
Ecotoxicity	Toxic to aquatic organis	sms, may caus	se long-term adverse e	effects in the ac	uatic environment	•	
<b>Component(s)</b> Sodium Carbonate, 497-19	)-8						
Aquatic							
Level Type		Code	Species			Results	
Acute Crustac	ea	EC50	Water flea (Cerioda	-		- 298.9 mg/l, 48 hours	
Fish		LC50	Bluegill (Lepomis ma	acrochirus)	300 m	ng/l, 96 hours	
Persistence and degradability		the degradab	ility of this product.				
Bioaccumulative potential	No data available.						
Partition coeficient n-oct	anol / water log (Kow)						
Components			Results				
	ed, ethoxylated (CAS 127087-	87-0)	2.1 - 3.4 (Calculate	d)			
Mobility in soil	No data available.						
Other adverse effects	No other adverse envir disruption, global warm				nical ozone creatior	i potential, endocrine	
	Secti	on 13 - [	Disposal cons	ideration	S		
Disposal instructions		Federal Law. I	f these wastes cannot			esticide, spray mixture, or o label instructions contact	
	Control Agency, or the	Hazardous Wa - Nonrefillable	aste representative at		•	or guidance. iner promptly after emptying.	
	Triple rinse as follows: I	ill container esticide Dispo	sal instructions for rin	sate disposal. I	Repeat procedure t	or 10 seconds after the flow wo more times. Then offer for	
	(For containers greater	than 5 gallon	s):			ack and forth, ensuring at leas	
		other end and			-	orth several times. Turn the posal instructions for rinsate	
<b>.</b> .		-				pose in a sanitary landfill.	
Hazardous waste code	The waste code should	-		-			
Waste from residues / unuse products	d Dispose of in accordance and its container must					product residues. This materia	
Contaminated packaging		d be taken to	an approved waste ha	andling site for	recycling or dispos	al. Since emptied containers	
	Sect	tion 14 -	Transport inf	ormation	1		
ОТ	Not regulated as danger						
ΔΤΔ	Not regulated as danger	-					

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#### IMDG Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code

#### Not regulated as dangerous goods. This substance/mixture is not intended to be transported in bulk.

**Section 15 - Regulatory Information** 

	Jecho	ii 15 - Regulatory information	
US federal regulations	•	us Chemical" as defined by the OSHA Hazard Communication	on Standard, 29 CFR 1910.1200.
	This product is a U.S. EPA r		
.,	ort Notification (40 CFR707, Subpt		
	egulated Substances (29 CFR 1910	-	
	stance List (40 CFR 302.4	Not listed.	
•	s and Reauthorization Act of 1986	(SARA)	
Hazard Categories	Immediate Hazard Yes		
	Delayed Hazard No		
	Fire Hazard No		
	Pressure Hazard No		
	Reactivity Hazard No		
SARA 302 Extremely ha			
SARA 311/312 Hazardo			
SARA 313 (TRI reporting	3)		
Other federal regulations			
	tion 112 Hazardous Air Pollutants	· · ·	
	tion 112(r) Accidental Release Prev	vention (40 CFR 68.130) Not regulated.	
Safe Drinking Water Ac			
	tration (FDA) Not regulated.		
US state regulations US.Massachusetts RTK	Substance List	Net regulated	
		Not regulated.	
-	and Community Right-to-Know Ac		
US.Pennsylvania RTK - Hazardous Substances		Not listed.	
US.Rhode Island RTK		Not regulated.	
US - California Propositi	ion 65	California Safe Drinking Water and Toxic Enforcemen material is not known to contain any chemicals curre reproductive toxins	· · · ·
International Inventories			
Country(s) or region	Inventory Name		On Inventory (yes/no)*
Australia	Australian Invento	ory of Chemical Substances (AICS)	No
Canada	Domestic Substan	ces List (DSL)	No
Canada	Non-Domestic Sub	ostances List (NDSL)	No
China	Inventory of Existi	ng Chemical Substances in China (IECSC)	No
Europe	European Invento	ry of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of N	otifed Chemical Substances (ELINCS)	No
Japan	Inventory of Existi	ng and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals	List (ECL)	No
New Zealand	New Zealand Inve	ntory	No
Philippines	Philippine Invento	ry of Chemicals and Chemical Substances	No
Unites States Puerto Ri	co Toxic Substances (	Control Act (TSCA) Inventory	No
	· ·	ory requirements administered by the governing country(s roduct are not listed or exempt from listing on the invento	

country(s).

## Section 16 - Other information, including date of preparation or last version

Revision date	1/17/2018
Version #	02
Further information	Some information may conflict with EPA mandated label information.
Disclaimer	The information contained herein was obtained from current and reliable sources. However, the data is provided without any 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.