

MATERIAL SAFETY DATA SHEET
(Similar to OSHA FORM 174)

N.A. = Not Applicable
Not Est. = Not Established
Prop. = Proprietary

Section 1 - Manufacturer / Distributor Information

Product Name	ASTRO-CHEM Industrial Degreaser Cleaner Concentrate (1:5)			Product #	1020 (1:5)
Supplier's Name	National Chemical Laboratories of PA, Inc.				
Supplier's Address	401 N. 10th Street - Philadelphia, PA 19123			Emergency Phone No	1 (800) 255-3924
HMIS Hazard Code	Health 2	Flammability 0	Phys Hazard 0	Chemical Name	N.A. Proprietary Blend
Chemical Family	Alkaline Detergent			Formula	N.A. Blended Product
DOT Shipping Name	For containers > 1 gallon: CORROSIVE LIQUID, N.O.S. (contains Sodium Hydroxide), 8, PG III, UN1760 For containers < or = 1 gallon: Consumer Commodity ORMD				Hazard Class PKG Group DOT ID #

Section 2 - Hazardous Ingredients

CHEMICAL NAME	CAS NUMBER	% Concentration Range	ACGIH	Exposure Limit TLV/PEL
2-Butoxyethanol*	111-76-2	PROP.	20 ppm	50 ppm
Polyethylene Mono (Nonylphenyl) Ether Glycols	9016-45-9	PROP.		Not Est.
Sodium Silicate	1344-09-8	PROP.		5 mg/m3
Sodium Hydroxide	1310-73-2	PROP.		C 2 mg/m3
Dodecyl Benzene Sulfonic Acid Sodium Salt	25155-30-0	PROP.		Not Est.

* Subject to reporting requirements of Section 313 of Title III of S.A.R.A.

Section 3 - Physical Data

Boiling Point (F)	212	Specific Gravity	1.03 ± 0.01
Vapor Pressure	= To Water	Evaporation Rate	= To Water
Vapor Density	= To Water	pH	
Solubility in Wate	Complete	pH(1)	
Appearance	Clear, Thin, Green Liquid	pH(2)	
Odor	Buttery Citrus	VOC Content	

Section 4 - Fire and Explosion Data

				Flammable Limits	Not Est.	LEL	UEL
Fire Fighting Equipment							
Extinguishing Media							
Unusual Fire	Explosion Hazards	None					
Hazardous Combustion Products							

Section 5 - Health Hazard Data

Routes of Entry	Inhalation <input checked="" type="checkbox"/>	Skin <input checked="" type="checkbox"/>	Ingestion <input checked="" type="checkbox"/>
Effects of Over exposure	Causes skin and eye burns. Harmful if swallowed. May cause severe mucosal damage and gastric distress. May cause systemic intoxication. Inhalation of vapors or mist may cause respiratory irritation.		
Emergency and First Aid Procedures	For Eyes: Flush thoroughly with water for at least fifteen minutes. If irritation persists seek medical attention. For Skin: Wash skin thoroughly with water and apply emollient creme. If irritation persists seek medical attention. If ingested: Do not induce vomiting. Give milk, egg white, gelatin or large quantities of water. Seek immediate medical attention. Never give anything by mouth to an unconscious person. If inhalation causes irritation move to fresh air.		
Conditions Aggravated by Exposure	Dermatitis and related disorders of the skin. Inhalation may irritate existing bronchial conditions.		Threshold Limit Value Not Est.
Listed	None		
Statement regarding Green Seal, Inc. Certification			

Section 6 - Reactivity Data

Stability	Stable
Conditions to Avoid	None
Incompatibility	Acids and Oxidizers
Flash Point (F)	None to boiling (TOC)
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Carbon Oxides and Amines

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Section 7 - Spill and Leak Procedures

Spill Steps Recontainerize by mopping, wet vacuum, or using a suitable absorbent. Be cautious of slippery floors.

Waste Disposal Method Follow local, state, and federal regulations.

Section 8 - Special Protection Information

Respiratory Protection Not required if used with adequate ventilation.

Ventilation General mechanical recommended.

Protective Gloves Water impervious such as latex, nitrile or neoprene.

Eye Protection Goggles or safety glasses with side shields

Other Protective Equipment None

Work /Hygenic Practices

Section 9 - Special Precautions

Precautions Handling Storage Store in sealed container, in cool dry location in a well ventilated area.

Other Precautions Remove contaminated clothing. Wash all contaminated clothing thoroughly before reuse. Keep out of reach of children. For Commercial and Industrial Use Only.

CA Proposition 65 Statement

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Date Prepared 8/14/2013 **Prepared By** J.B.