

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 **Product #:** 1020
Supplier's Name: National Chemical Laboratories of PA, Inc.
Supplier's Address: 401 N. 10th Street · Philadelphia PA 19123 **Emergency Phone #:** CHEM-TEL (800) 255-3924
HMIS Hazard Code: Health: 2 Flammability: 0 Reactivity: 0 PPE: C **Chemical Name:** N.A. Proprietary Blend
Chemical Family: Alkaline Detergent **Formula:** N.A. Blended Product
D.O.T. Shipping Name: CORROSIVE LIQUID n.o.s. (contains potassium hydroxide) **Hazard Class:** 8 **D.O.T. ID#:** UN1760

SECTION 2 - HAZARDOUS INGREDIENTS

| CHEMICAL NAME | CAS NUMBER | % Concentration Range | Hazard Ratings (TLV/PEL) |
|---|------------|-----------------------|--------------------------|
| 2-Butoxyethanol* | 111-76-2 | PROP. | 25 ppm |
| Polyethylene Mono (Nonylphenyl) Ether Glycols | 9016-45-9 | PROP. | Not Est. |
| Sodium Silicate | 13870-28-5 | PROP. | 5 mg/m ³ |
| Potassium Hydroxide | 1310-58-3 | PROP. | 2 mg/m ³ |
| 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:** 1.040
Vapor Pressure: = To Water **Evaporation Rate:** = To Water
Vapor Density: = To Water **Solubility in Water:** Complete
Appearance: Clear, Thin, Green Liquid
Odor: Buttery Citrus

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point (°F): None to boiling (TOC)
Flammable Limits: Not Est.
Unusual Fire & Explosion Hazards: None

SECTION 5 - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation: No Skin: Yes Ingestion: Yes **Threshold Limit Value:** Not Est.
Effects of Overexposure: Causes skin and eye irritation. Harmful if swallowed. May cause severe mucosal damage and gastric distress. May cause systemic intoxication.
Emergency & First Aid Procedures: **For Eyes:** Flush eyes 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 water. Seek immediate medical attention. Never give anything by mouth to an unconscious person.
Conditions Aggravated by Exposure: May aggravate existing dermatitis and irritate sensitive skin.

Listed Carcinogen, Mutagen, Teratogen (Ingredient, Source, Amount): None

SECTION 6 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: None
Incompatibility: Acids and Oxidizers
Hazardous Decomposition Products: Carbon Oxides and Amines
Hazardous Polymerization: Will not occur.

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled: 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: Generally not required
Ventilation: Local
Protective Gloves: Rubber or latex
Eye Protection: Goggles or safety glasses with side shields.
Other Protective Equipment: Rubber boots should be worn if working in standing solution.

SECTION 9 - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Store between 40°F and 120°F.
Other Precautions: Remove contaminated clothing. Wash all contaminated clothing thoroughly before reuse. Keep out of reach of children. For professional use only.

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Date Prepared – 04/15/09 By: G.C.