

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, Inc. | | | | |
| Supplier's Address | 401 N. 10th Street, Philadelphia, PA 19123 | | | Emergency Phone No | (800) 255-3924 |
| HMIS Hazard Code | Health 3 | Flammability 0 | Physical Hazard 0 | Chemical Name | N.A. Proprietary Blend |
| Chemical Family | Alkaline Detergent | | | Formula | N.A. Blended Product |
| DOT Shipping Name | For transportation information please contact NCL at 1-215-922-1200. | | | | 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 | |
| Flash Point (F) | None to boiling (TOC) | | |

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 Carcinogen, Mutagen, Teratogen (Ingredient, Source, Amount) | None | | |

Statement regarding Green Seal, Inc. Certification

Section 6 - Reactivity Data

| | |
|---|--------------------------|
| Stability | Stable |
| Conditions to Avoid | None |
| Incompatibility | Acids and Oxidizers |
| 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.