# NATIONAL CHEMICAL LABORATORIES, INC.

World Class Cleaning & Hygiene Solutions™

## SAFETY DATA SHEET

## Section 1 - Identification

| | |
|---|---|
| **Product Identifier** | DUAL-BLEND #22 BARE BONES®SC Stripper Super Concentrate |
| **Other means of identification** | 5092 |
| **Recommended use** | Floor finish remover. |
| **Recommended restrictions** | 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 |

## 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.**

| | Classification | Category | |
|---|---|---|---|
| **Physical Hazards** | Flammable Liquids | | |
| **Health Hazards** | Acute toxicity, dermal | 4 | |
| | Acute toxicity, inhalation | 4 | |
| | Acute toxicity, oral | 4 | |
| | Serious eye damage/eye irritation | 1 | |
| | Skin corrosion/irritation | 1 | |
| | Specific target organ toxicity, single exposure | 3 | TARGET ORGAN: respiratory tract irritation |

**OSHA defined hazards** Not Classified.

**Label Elements**

**Hazard Symbol**

**Signal Word** Danger

**Hazard Statement** Causes severe skin burns and eye damage. Harmful if swallowed, in contact with skin or if inhaled. May cause respiratory irritation. Combustible liquid.

**Precautionary statement**

**Prevention** Do not breathe mist or vapor. Use only in well-ventilated areas. Wear protective gloves/clothing and eye/face protection. Keep away from heat / sparks / open flames / hot surfaces / no smoking. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep out of reach of children.

**Response** If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage** Store locked up. Store in a well-ventilated place. Keep cool.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** Not classified.

## Section 3 - Composition/Information on ingredients

**Mixture**

**Hazardous Components**

| Ingredient Name | CAS # | % |
|---|---|---|
| 2-Butoxyethanol | 111-76-2 | 70 - 80 |
| 2-Amino Ethanol | 141-43-5 | 20 - 30 |

## Section 4 - First-aid Measures

**Inhalation** Move to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way

valve or other proper respiratory medical device. Get medical attention immediately.

**Skin contact** Remove contaminated clothing and shoes. Immediately flush skin with plenty of water. Get prompt medical attention. Wash contaminated clothing before reuse.

**Eye contact** Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Check and remove contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

**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 or effects, acute and delayed**

Causes skin and eye burns. May cause respiratory tract irritation. Symptoms may be delayed.

**Indication of immediate medical attention and special treatment needed**

Treat symptomatically.

**General Information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Immediate medical attention is required. In case of shortness of breath, give oxygen. Keep victim warm.

## Section 5 - Fire-fighting measures

**Suitable extinguishing media** Carbon dioxide, alcohol-resistant foam, dry chemical, water spray, or water fog.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical** None known.

**Special protective equipment and precautions for firefighters** Wear suitable protective equipment. 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 it without risk. Use water spray to keep fire-exposed containers cool.

## Section 6 - Accidental release measures

**Personal precautions, protective equipment and emergency procedures.** Isolate area. Keep unnecessary personnel away. Use personal protection as recommended in Section 8 of the SDS.

**Methods and materials for containment and cleaning up** Contain spill. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Flush area with water.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

## Section 7 - Handling and storage

**Precautions for safe handling** Do not get in eyes, on skin, or on clothing. Do not breathe mist or vapor. Keep container closed. Wash thoroughly after handling. Use Personal Protective Equipment recommended in section 8 of the SDS.

**Conditions for safe storage, including any incompatibilities** Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials. Keep container closed. Keep out of reach of children.

## Section 8 - Exposure control/personal protection

**Occupational exposure limits**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components | Type | Value | Form |
|---|---|---|---|
| 2-Amino Ethanol (CAS 141-43-5) | TWA | 6 mg/m³ , 3 ppm | |
| 2-Butoxyethanol (CAS 111-76-2) | TWA | 240 mg/m³ , 50 ppm | |

**US. ACGIH Threshold Limit Values**

| Component | Type | Value | Form |
|---|---|---|---|
| 2-Amino Ethanol (CAS 141-43-5) | STEL | 6 ppm | |
| 2-Amino Ethanol (CAS 141-43-5) | TWA | 3 ppm | |
| 2-Butoxyethanol (CAS 111-76-2) | TWA | 20 ppm | |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components | Type | Value |
|---|---|---|
| 2-Amino Ethanol (CAS 141-43-5) | STEL | 15 mg/m³, 6 ppm |
| 2-Amino Ethanol (CAS 141-43-5) | TWA | 8 mg/m³ , 3 ppm |
| 2-Butoxyethanol (CAS 111-76-2) | TWA | 24 mg/m³, 5 ppm |

**US. ACGIH. BEIs. Biological Exposure Indices**

| Components | Value | Determinate | Specimen | Sampling Time |
|---|---|---|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | 200 mg/g | Butoxyacetic acid (BAA), with hydrolysis | Creatinine in urine | * |

*** - For sampling details, please see the source document.**

**Exposure guidelines** Use personal protective equipment as required. Keep working clothes separately.

**US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants**

| Components | Exposure |
|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | Can be absorbed though the skin. |

**US.Minnesota Hazardous Substances List (Minn. Rules 5206.0400).**

| Components | Exposure |
|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | Skin designation applies. |

**US.NIOSH: Pocket Guide to Chemical Hazards**

| Component | Exposure |
|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | Can be absorbed though the skin. |

**US.OSHA Table Z-1 Limits for 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 CFR 1910.100)**

| Components | Exposure |
|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | Can be absorbed though the skin. |

**US.Tennesee. OELs Occupational Exposure Limkits, Table Z1A**

| Components | Exposure |
|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | Can be absorbed though the skin. |

**Appropriate engineering controls** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Provide easy access to water supply and eye wash facilities.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** If use of product risks exposure to contact, wear safety glasses with side shields.

**Skin protection**

**Hand protection** Impervious gloves are recommended for prolonged use.

**Other** If use of product risk exposure to contact, wear suitable protective clothing.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## Section 9 - Physical and chemical properties

**Appearance**

**Physical state** Liquid.

**Form** Clear Liquid.

**Color** Straw-Amber

**Odor** Sassafras.

**Odor threshold** Not available.

**pH** 11.2 ± 0.2 (Diluted @ 1:20)

**Melting point/freezing point** Not available.

**Initial boinging point and boiling range** 340 °F (171.1 °C)

**Flash point** 157°F (69.4°C) TCC

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive 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** 0.93 ± 0.01

**Relative density temperature** 75 °F (23.9 °C)

**Solubilities (water)** 100 % Soluble.

**Partition Coefficient n-octanol/water** Not available

| | |
|---|---|
| **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** | Keep away from heat and direct sunlight. Contact with incompatible materials. |
| **Incompatible materials** | Oxidizing agents. |
| **Hazardous Decomposition Products** | Carbon monoxide. Carbon dioxide. Nitrogen oxides. |

## Section 11 - Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Ingestion** | May cause burns of the gastrointestinal tract if swallowed. |
| **Inhalation** | Irritating to respiratory system. May cause burns in mucous membranes, throat, esophagus and stomach. |
| **Skin contact** | Causes skin burns. |
| **Eye contact** | Causes serious eye damage. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Causes skin and eye burns. May cause respiratory tract irritation. Symptoms may be delayed. |

**Information on toxicological effects.**

**Acute toxicity** Harmful if inhaled, absorbed through skin, or swallowed.

| Components | Level | Type | Code | Species | Results |
|---|---|---|---|---|---|
| 2-Amino Ethanol (CAS 141-43-5) | Acute | Dermal | LD50 | Rabbit | 1025 mg/kg |
| | Acute | Oral | LD50 | Rat | 1715 mg/kg |
| 2-Butoxyethanol (CAS 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 |

| | |
|---|---|
| **Skin corrosion/irritation** | Causes skin burns. |
| **Serious eye damage/ eye irritation** | Causes serious eye damage. |
| **Respiratory sensitization** | Not classified. |
| **Skin sensitization** | Not classified. |
| **Germ cell mutagenicity** | Not classified. |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| Component | Result | Comment |
|---|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | 3 | Not classifiable as to carcinogenicity to humans. |

| | |
|---|---|
| **Reproductive toxicity** | Not classified. |
| **Specific target organ toxicity - single exposure** | Irritating to respiratory system. |
| **Specific target organ toxicity - repeated exposure** | Not classified. |
| **Aspiration hazard** | Not classified. |
| **Chronic effects** | 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans. |

## Section 12 - Ecological Information

| | |
|---|---|
| **Ecotoxicity** | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| **Persistence and degradability** | The product is expected to be biodegradable. |
| **Bioaccumulative potential** | Not known. |

**Partition coefficient n-octanol / water log (Kow)**

| Components | Results |
|---|---|
| 2-Amino Ethanol (CAS 141-43-5) | -1.31 |
| 2-Butoxyethanol (CAS 111-76-2) | 0.83 |

**Mobility in soil** Not available.

**Mobility in general** The product is water soluble and may spread in water systems.

**Other adverse effects** None known.

## Section 13 - Disposal considerations

**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 products** Dispose in accordance with all applicable regulations.

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## Section 14 - Transport information

**DOT**

**UN number** UN2491

**Proper shipping name** Ethanolamine solution

**Transport hazard class(es)** 8

**Subsidary class(es)** -

**Packing group** III

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Labels required** 8

**Special provisions** IB3, T4, TP1

**Packaging exemption** 154

**Packaging non bulk** 203

**Packaging bulk** 241

**IATA**

**UN number** UN2491

**UN proper shipping name** Ethanolamine solution

**Transport hazard class(es)** 8

**Subsidary class(es)** -

**Packaging group** III

**Environmental hazards** No

**Labels required** Not available.

**ERG Code** 8L

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Other Information**

**IMDG**

**UN number** UN2491

**UN proper shipping name** ETHANOLAMINE SOLUTION

**Transport hazard class(es)** 8

**Subsidary class(es)** -

**Packaging group** III

**Environmental hazards** No.

**Marine pollutant**

**Labels required** Not available.

**EmS** F-A, S-B

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code** This substance/mixture is not intended to be transported in bulk.

## Section 15 - Regulatory Information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)** Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not on regulatory list.

**CERCLA Hazardous Substance List (40 CFR 302.4**

| Components | Result |
|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | LISTED |

**Superfund Amendments 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 hazardous substance** | | No |
| **SARA 311/312 Hazardous chemical** | | Yes |

**SARA 313 (TRI reporting)**

| Chemical name | CAS # | % by wt. |
|---|---|---|
| 2-Butoxyethanol | 111-76-2 | 70 - 80 |

**Other federal regulations**

| | |
|---|---|
| **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List** | Not regulated. |
| **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)** | Not regulated. |
| **Safe Drinking Water Act (SDWA)** | Not regulated. |
| **Food and Drug Administration (FDA)** | Not regulated. |

**US state regulations**

| | |
|---|---|
| **US.Massachusetts RTK - Substance List** | Components<br>2-Butoxyethanol (CAS 111-76-2)<br>2-Amino Ethanol (CAS 141-43-5) |
| **US.New Jersey Worker and Community Right-to-Know Act** | Components<br>2-Butoxyethanol (CAS 111-76-2)<br>2-Amino Ethanol (CAS 141-43-5) |
| **US.Pennsylvania RTK - Hazardous Substances** | Components<br>2-Butoxyethanol (CAS 111-76-2)<br>2-Amino Ethanol (CAS 141-43-5) |
| **US.Rhode Island RTK** | Components<br>2-Butoxyethanol (CAS 111-76-2)<br>2-Amino Ethanol (CAS 141-43-5) |
| **US - California Proposition 65** | California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to expose you to any chemicals currently listed as carcinogens or reproductive toxins. |

**International Inventories**

| Country(s) or region | Inventory Name | On Inventory (yes/no)* |
|---|---|---|
| **Australia** | **Australian Inventory of Chemical Substances (AICS)** | Yes |
| **Canada** | **Domestic Substances List (DSL)** | Yes |
| **Canada** | **Non-Domestic Substances List (NDSL)** | No |
| **China** | **Inventory of Existing Chemical Substances in China (IECSC)** | Yes |
| **Europe** | **European Inventory of Existing Commercial Chemical Substances (EINECS)** | Yes |
| **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 "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** | 6/1/2023 |
| **Version #** | 03 |
| **HMIS Hazard Codes** | PPE A |

**Disclaimer**

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