


SAFETY DATA SHEET

Section 1 - Identification

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| Product Identifier | Earth Sense® Heavy Duty Degreaser Cleaner |
| Other means of identification | 4046 |
| Recommended use | Degreaser. |
| 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 | Not Classified | |
| Health Hazards | Serious eye damage/eye irritation | 2 |
| OSHA defined hazards | Not Classified. | |
| Label Elements | | |
| Hazard Symbol |  | |
| Signal Word | Warning | |
| Hazard Statement | Causes serious eye irritation. | |
| Precautionary statement | | |
| Prevention | Wash thoroughly after handling. Wear eye/face protection. | |
| Response | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. | |
| Storage | Store away from incompatible materials. | |
| Disposal | Dispose of waste and residues in accordance with local authority requirements. | |
| Hazard(s) not otherwise classified (HNOC) | Not classified. | |

Section 3 - Composition/Information on ingredients

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|-----------------------------|------------------------|--------------|----------|
| Mixture | | | |
| Hazardous Components | Ingredient Name | CAS # | % |
| | Alcohol ethoxylate | 68131-39-5 | 1 - 5 |

Section 4 - First-aid Measures

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| Inhalation | Move to fresh air. Get medical attention if irritation persists. |
| Skin contact | Wash skin with soap and water. Get medical attention if irritation persists. |
| Eye contact | Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation persists. |
| Ingestion | If you feel unwell, seek medical advice (show the label where possible). |
| Most Important symptoms /effects, acute and delayed | Causes eye irritation. |
| Indication of immediate medical attention and special treatment | Treat symptomatically. |
| General Information | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

Section 5 - Fire-fighting measures

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| Suitable extinguishing media | Water spray, fog, CO2, dry chemical, or alcohol resistant foam. |
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| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | None known. |
| 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 it without risk. Use water spray to keep fire-exposed containers cool. |

Section 6 - Accidental release measures

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| 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 | SMALL SPILLAGE: Absorb spillage with suitable absorbent material. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. After removal flush contaminated area thoroughly with water. LARGE SPILLS: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. After removal flush contaminated area thoroughly with water. |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |

Section 7 - Handling and storage

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| Precautions for safe handling | Avoid contact with eyes. Use Personal Protective Equipment recommended in section 8 of the SDS. |
| Conditions for safe storage, including any incompatibilities | Store away from incompatible materials. Keep container closed. |

Section 8 - Exposure control/personal protection

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|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Occupational exposure limits | No exposure limits noted for ingredient(s). |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Exposure guidelines | Use personal protective equipment as required. Keep working clothes separately. |
| Appropriate engineering controls | Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. Provide easy access to water supply and eye wash facilities. |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Skin protection | |
| Hand protection | Wear protective gloves. Suitable gloves can be recommended by the glove supplier. |
| Other | Wear appropriate chemical resistant clothing. |
| Respiratory protection | In case of inadequate ventilation, use respiratory protection. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |

Section 9 - Physical and chemical properties

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|----------------------------------------------|-------------------------|
| Appearance | Clear. |
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Red. |
| Odor | None. |
| Odor threshold | Not available. |
| pH | 10.6 |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | 212 °F (100 °C) |
| Flash point | > 212.0 °F (> 100.0 °C) |
| 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 | 1.01 ± 0.01 |

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| Relative density temperature | 75 °F (23.89 °C) |
| Solubilities | 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 (23.89 °C) |

Section 10 - Stability and reactivity

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| Reactivity | The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Stable at normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to Avoid | Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous Decomposition Products | Carbon oxides. |

Section 11 - Toxicological information

Information on likely routes of exposure

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| Ingestion | May be harmful if swallowed. |
| Inhalation | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| Skin contact | Prolonged or repeated contact may dry skin and cause irritation. |
| Eye contact | Causes eye irritation. |

Symptoms related to the physical, chemical and toxicological characteristics Contact may cause irritation with redness, tearing and pain.

Information on toxicological effects.

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| Acute toxicity | Not expected to be hazardous. |
| Skin corrosion/irritation | Prolonged or repeated contact may dry skin and cause irritation. |
| Serious eye damage/ eye irritation | Causes eye irritation. |
| Respiratory sensitization | Not classified. |
| Skin sensitization | Not classified. |
| Germ cell mutagenicity | Not classified. |
| Carcinogenicity | Not classified. |
| Reproductive toxicity | Not classified. |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | Not available. |

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.

Component(s)

Alcohol ethoxylate, 68131-39-5

Aquatic

| | | | | |
|-------|-----------|-------|-----------------------------------------------------|----------------------------|
| Acute | Crustacea | EC50 | Water flea (Ceriodaphnia dubia) | 0.37 - 0.43 mg/l, 48 hours |
| | Crustacea | EC50 | Water flea (Daphnia magna) | 0.39 -0.56 mg/l, 48 hours |
| | Fish | LC 50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 0.775 - 1.3 mg/l, 96 hours |
| | Fish | LC50 | Flathead minnow (Pimephales promelas) | 0.72 -2.7 mg/l, 96 hours |

Persistence and degradability The product is expected to be biodegradable.

Bioaccumulative potential Not known.

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

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| 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

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| DOT | not regulated |
| Packaging non bulk | |
| IATA | |
| IMDG | |

Section 15 - Regulatory Information

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| 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) | | Not 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) | | Not regulated. |
| Other federal regulations | | |
| Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List | | Not regulated. |
| Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) | | Not regulated. |
| Drug Enforcement Administration (DEA), List 1 2 | Not regulated. | |
| Exempt Chemical Mixtures (21 CFR 1310.12(c)) | | |
| DEA Exempt Chemical Mixtures Code Number | | Not regulated. |
| Safe Drinking Water Act (SDWA) | Not regulated. | |
| Food and Drug Administration (FDA) | Not regulated. | |
| US state regulations | | |
| US.Massachusetts RTK - Substance List | | Not regulated. |
| US.New Jersey Worker and Community Right-to-Know Act | | Not listed. |
| US.Pennsylvania RTK - Hazardous Substances | | Not listed. |
| US.Rhode Island RTK | | Not regulated. |
| US - California Proposition 65 | | California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain 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) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| 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

| | |
|---------------------|----------------|
| Issue date | 12/4/2012 |
| Version # | 01 |
| Further information | Not available. |

SAFETY DATA SHEET

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.