



World Class Cleaning & Hygiene Solutions™

NATIONAL CHEMICAL LABORATORIES, INC.

SAFETY DATA SHEET

Section 1 - Identification

Product Identifier RELY Foaming Disinfectant Cleaner
Other means of identification 2003
Recommended use Foaming Disinfectant Cleaner
Recommended restrictions EPA Registered Product. For Commercial and Industrial Use Only. (RTU) Ready-To-Use aerosol.

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

| | Classification | Category |
|-----------------------------|-------------------------------------------------|---------------|
| Physical Hazards | Gasses under pressure | Liquefied gas |
| Health Hazards | Acute toxicity, inhalation | 4 |
| | Acute toxicity, oral | 4 |
| | Serious eye damage/eye irritation | 2B |
| | Skin corrosion/irritation | 2 |
| | Specific target organ toxicity, single exposure | 3 |
| OSHA defined hazards | Not Classified. | |

Label Elements

Hazard Symbol



Signal Word

Warning

Hazard Statement

Contains gas under pressure; may explode if heated. May be harmful if swallowed. Causes eye irritation. Causes mild skin irritation. May be harmful if inhaled. May cause drowsiness or dizziness.

Precautionary statement

Prevention

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area. Wear eye/face protection. Wash thoroughly after handling. Keep out of reach of children.

Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. 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

Protect from sunlight. Do not expose to temperatures exceeding 122°F/50°C. Store in a well-ventilated place.

Disposal

Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC)

None known.

Section 3 - Composition/Information on ingredients

Mixture

| Hazardous Components | Ingredient Name | CAS # | % |
|----------------------|---------------------------------------------------------------------------------------------|------------|-------|
| | Liquified Petroleum Gas | 68476-86-8 | 2 - 6 |
| | Tetrasodium ethylenediamine tetraacetate | 64-02-8 | 1 - 5 |
| | 2-(2-Butoxyethoxy) Ethanol | 112-34-5 | 1 - 5 |
| | _Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride (Alternate CAS 68956-79-6) | 85409-23-0 | < 0.1 |
| | _Alkyl Dimethyl Benzyl Ammonium Chloride (C12-C18) | 68391-01-5 | < 0.1 |

Composition Comments Components not listed are either non-hazardous or are below reportable limits.

Section 4 - First-aid Measures

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| Inhalation | Move to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact | Wash off with soap and water. Get medical attention if irritation develops and persists. |
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low to avoid getting into the lungs. Call a poison control center if large amounts are ingested. Never give anything by mouth to an unconscious person. |
| Most Important symptoms or effects, acute and delayed | Eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| 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 fog. Dry chemical powder. Carbon dioxide (CO2). |
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | Contents under pressure. Containers may explode when heated. |
| 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 | In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| Specific Methods | Use standard fire fighting procedures and consider the hazards of other involved materials. |

Section 6 - Accidental release measures

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| Personal precautions, protective equipment and emergency procedures. | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| Methods and materials for containment and cleaning up | Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. |
| 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 | HARMFUL IF INHALED OR SWALLOWED. VAPOR HARMFUL. EYE, SKIN AND RESPIRATORY IRRITANT.Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground and bond containers when transferring material. Do not re-use empty containers. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Keep out of reach of children. Observe good industrial hygiene practices. |
| Conditions for safe storage, including any incompatibilities | Level 1 Aerosol. Contents under pressure. Do not expose to heat or store at temperatures above 122°F/50°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower in temperature than 50°F or higher than 120°F.Keep containers in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). |

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 |
|------------------------------------------|------|----------|------|
| Liquified Petroleum Gas (CAS 68476-86-8) | TWA | 1000 ppm | Mist |

US. ACGIH Threshold Limit Values

| Component | Type | Value | Form |
|-------------------------------------------|------|----------|-------------------------------|
| Liquified Petroleum Gas (CAS 68476-86-8) | TLV | 1000 ppm | Mist |
| 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) | TWA | 10 ppm | Inhalable fraction and vapor. |

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| 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 | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection | Wear eye/face protection. |
| Skin protection | |
| Hand protection | Wear protective gloves. |
| Other | If conditions risk exposure, 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. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | When using do not smoke. 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

| | |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Appearance | |
| Physical state | Gas/Liquid mixture. |
| Form | Aerosol. Liquefied gas. Clear liquid. |
| Color | Pale Straw. |
| Odor | Fresh Clean. |
| Odor threshold | Not available. |
| pH | 12.0 - 12.5 |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | > 201 °F (> 93.9 °C) Liquid component, method PMCC / -156.0 °F (-104.4 °C) Propellant estimated |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Non flammable (aerosol -flame projection) |
| 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 | Not available. |
| Vapor density | Not available. |
| Relative density | 1.01 ± 0.01 |
| Relative density temperature | 75 °F (23.9 °C) |
| Solubilities (water) | Soluble. (liquid) |
| Partition Coefficient n-octanol/water | Not available |
| Auto-ignition temperature | Not Available |
| Decomposition temperature | Not Available |
| Viscosity | <10 cSt. |
| Viscosity Temperature | 75 °F (23.9 °C) |
| Other Information | |
| VOC's | 3 - 6 % |
| Pressure | 40 - 52 psig @ 70F |

Section 10 - Stability and reactivity

| | |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to Avoid | Avoid heat, sparks, open flames and other ignition sources. Temperatures above 122°F/50°C. Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |

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Hazardous Decomposition Products

Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.

Section 11 - Toxicological information

Information on likely routes of exposure

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|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Ingestion | May be harmful if swallowed. |
| Inhalation | May cause respiratory tract irritation. This product may be aspirated onto the lungs and cause chemical pneumonitis. |
| Skin contact | Causes skin irritation. Prolonged or repeated skin contact may cause drying, cracking, or irritation. |
| Eye contact | Causes eye irritation. |

Symptoms related to the physical, chemical and toxicological characteristics Eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Information on toxicological effects.

Acute toxicity

| Components | Level | Type | Code | Species | Results |
|--------------------------------------------------------------------------------------------------------------|-------|------------|------|---------|--------------------|
| _Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride (Alternate CAS 68956-79-6) (CAS 85409-23-0) | Acute | Dermal | LD50 | Rabbit | > 2000 mg/kg |
| | Acute | Inhalation | LC50 | | > 20 mg/l |
| _Alkyl Dimethyl Benzyl Ammonium Chloride (C12-C18) (CAS 68391-01-5) | Acute | Dermal | LD50 | Rabbit | > 2000 mg/kg |
| | Acute | Dermal | LD50 | Rat | 1420 mg/kg |
| | Acute | Inhalation | LC50 | | > 20 mg/l |
| 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) | Acute | Oral | LD50 | Rat | 500 - 5000 mg/kg |
| | Acute | Dermal | LD50 | Rabbit | 2764 mg/kg, (Male) |

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/ eye irritation Causes eye irritation.

Respiratory sensitization This product is not expected to cause respiratory sensitization.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure May cause drowsiness and dizziness.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not likely, due to the form of the product.

Chronic effects Prolonged inhalation may be harmful. May be harmful if absorbed through skin.

Section 12 - Ecological Information

Ecotoxicity Toxic to aquatic life. Harmful to aquatic life with long lasting effects

Component(s)

Tetrasodium ethylenediamine tetraacetate (CAS 64-02-8)

Aquatic

| Level | Type | Code | Species | Test Results |
|-------|------|------|--------------------------------|--------------------------|
| Acute | Fish | LC50 | Bluegill (Lepomis macrochirus) | 472 - 500 mg/l, 96 hours |

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water log (Kow)

| Components | Results |
|-------------------------------------------|---------|
| 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) | 0.56 |

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 - Disposal considerations

Disposal instructions Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. Dispose of

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contents/container in accordance with local/regional/national/international regulations.
 PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Local disposal regulations Dispose in accordance with all applicable regulations.
Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

Section 14 - Transport information

DOT

UN number UN1950
Proper shipping name Aerosols
Transport hazard class(es) 2.2
Packing group Not Applicable.
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Labels required 2.2
Packaging exemption 306
Packaging non bulk None/Ninguno
Packaging bulk None/Ninguno

IATA

UN number UN1950
UN proper shipping name Aerosols, non-flammable
Transport hazard class(es) 2.2
Packaging group Not Applicable.
Environmental hazards No.
Labels required 2.2
ERG Code 10L
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Other Information
 Passenger and Cargo aircraft Allowed.
 Cargo aircraft only Allowed.
Packaging Exceptions LTD QTY

IMDG

UN number UN1950
UN proper shipping name AEROSOLS
Transport hazard class(es) 2.2
Packaging group Not Applicable.
Environmental hazards No.
 Marine pollutant
Labels required 2.2
EmS F-D, S-U
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions LTD QTY

Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code Not applicable.

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. All components are on the U.S. EPA TSCA Inventory List.

| | | |
|---------------------------------------------------------------------------|----------------|---------|
| TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D) | Not regulated. | |
| Components | % by Weight | Comment |
| Liquified Petroleum Gas (CAS 68476-86-8) | 2 - 6 | |
| US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | Not listed | |
| Component | Result | Comment |
| Liquified Petroleum Gas (CAS 68476-86-8) | | |

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CERCLA Hazardous Substance List (40 CFR 302.4)

| | |
|-------------------------------------------|--------|
| Components | Result |
| 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) | LISTED |

Superfund Amendments and Reauthorization Act of 1986 (SARA)

| | | |
|-----------------------------------------------|-------------------|-----|
| Hazard Categories | Immediate Hazard | Yes |
| | Delayed Hazard | No |
| | Fire Hazard | No |
| | Pressure Hazard | Yes |
| | Reactivity Hazard | No |
| SARA 302 Extremely hazardous substance | Not regulated. | |
| SARA 311/312 Hazardous chemical | Yes | |

SARA 313 (TRI reporting)

| | | |
|----------------------------|----------|----------|
| Chemical name | CAS # | % by wt. |
| 2-(2-Butoxyethoxy) Ethanol | 112-34-5 | 1 - 5 |

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

| | |
|------------|-------------------------------------------|
| Components | 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) |
|------------|-------------------------------------------|

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 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) |
| US.New Jersey Worker and Community Right-to-Know Act | Components 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) |
| US.Pennsylvania RTK - Hazardous Substances | Components 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) |
| US.Rhode Island RTK | Components 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) |
| 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) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| 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) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances | No |
| 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

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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.