



World Class Cleaning & Hygiene Solutions™

# NATIONAL CHEMICAL LABORATORIES, INC.

## SAFETY DATA SHEET

### Section 1 - Identification

Product Identifier CITRA BLAST Foaming All Purpose  
 Other means of identification 2001  
 Recommended use Foaming All Purpose Cleaner  
 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

	Classification	Category
Physical Hazards	Gases Under Pressure, Compressed Gas	
	Flammable Aerosols	1
Health Hazards	Sensitization, skin	1
Environmental Hazards		Category
	Hazardous to the aquatic environment, acute hazard.	2
	Hazardous to the aquatic environment, long-term hazard.	2
OSHA defined hazards	Not Classified.	

#### Label Elements

##### Hazard Symbol



Signal Word Danger  
 Hazard Statement Extremely flammable aerosol. May cause an allergic skin reaction.

#### Precautionary statement

##### Prevention

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing gas. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

##### Response

If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice / attention. Wash contaminated clothing before reuse.

##### Storage

Protect from sunlight. Do not expose to temperatures exceeding 122°F/50°C.

##### Disposal

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

#### Hazard(s) not otherwise classified (HNOC)

None known.

### Section 3 - Composition/Information on ingredients

#### Mixture

##### Hazardous Components

Ingredient Name	CAS #	%
Propane	74-98-6	2.5 - 10
Citrus Terpenes	5989-27-5	2.5 - <10
Butane	106-97-8	1 - 2.5

### Section 4 - First-aid Measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.  
 Skin contact In case of eczema or other skin disorders: Seek medical attention and take along these instructions.  
 Eye contact Rinse with water. Get medical attention if irritation develops and persists.  
 Ingestion Rinse mouth. Get medical attention if symptoms occur.

#### Most important symptoms or effects, acute and delayed

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May cause an allergic skin reaction. Dermatitis. Rash.

## 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. Wash contaminated clothing before reuse.

## Section 5 - Fire-fighting measures

### Suitable extinguishing media

Not available.

### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

### Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

### Fire-fighting equipment /instructions

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure buildup. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

### General fire hazards

Extremely flammable aerosol.

### Specific Methods

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

## Section 6 - Accidental release measures

### 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. Avoid breathing gas. 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. 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. 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 release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## Section 7 - Handling and storage

### Precautions for safe handling

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. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing gas. Avoid contact with eyes, skin and clothing. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.  
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F/50°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. 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
Butane (CAS 106-97-8)	TWA	1000 ppm	
Propane (CAS 74-98-6)	PEL	1800 mg/m <sup>3</sup> , 1000 ppm	
Propane (CAS 74-98-6)	TWA	1000 ppm	

#### US. ACGIH Threshold Limit Values

Component	Type	Value	Form
Butane (CAS 106-97-8)	TLV	1000 ppm	
Butane (CAS 106-97-8)	STEL	1000 ppm	
Propane (CAS 74-98-6)	TLV	1000 ppm	

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

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m <sup>3</sup> , 800 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m <sup>3</sup> , 1000 ppm

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<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	Use personal protective equipment as required. Keep working clothes separately.
<b>Appropriate engineering controls</b>	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.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
<b>Other</b>	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
<b>Respiratory protection</b>	If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	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. Contaminated work clothing should not be allowed out of the workplace.

## Section 9 - Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Gas.
<b>Form</b>	Aerosol.
<b>Color</b>	Not available.
<b>Odor</b>	Citrus.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	212 °F (100 °C) estimated
<b>Flash point</b>	-156.0 °F (-104.4 °C) Propellant estimated
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	0.8% estimated
<b>Flammability limit - upper (%)</b>	6.3% estimated
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	55 - 75 psig@ 20 °C estimated
<b>Vapor density</b>	Not available.
<b>Relative density</b>	0.99 estimated
<b>Solubilities (water)</b>	
<b>Partition Coefficient n-octanol/water</b>	Water (not available)
<b>Auto-ignition temperature</b>	Not Available
<b>Decomposition temperature</b>	Not Available
<b>Other Information</b>	
<b>VOC's</b>	7.9%

## Section 10 - Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	No hazardous decomposition products are known.

## Section 11 - Toxicological information

<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	Expected to be a low ingestion hazard.

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<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	May cause an allergic skin reaction. Dermatitis. Rash.
<b>Information on toxicological effects.</b>	
<b>Acute toxicity</b>	May cause an allergic skin reaction.
Components	Level                      Type                      Code                      Species                      Results
Butane (CAS 106-97-8)	Acute                      Inhalation                      LC50                      Mouse                      52%, 120 minutes
	Acute                      Inhalation                      LC50                      Mouse                      1237 mg/l, 120 Minutes
	Acute                      Inhalation                      LC50                      Rat                      1355 mg/l
Propane (CAS 74-98-6)	Acute                      Inhalation                      LC50                      Mouse                      52%, 120 minutes
	Acute                      Inhalation                      LC50                      Mouse                      1237 mg/l, 120 Minutes
	Acute                      Inhalation                      LC50                      Rat                      1355 mg/l 658mg/l/4h
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/ eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not likely, due to the form of the product.

## Section 12 - Ecological Information

<b>Ecotoxicity</b>	Toxic to aquatic life with long lasting effects.
<b>Component(s)</b>	
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<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available.
<b>Partition coefficient n-octanol / water log (Kow)</b>	
Components	Results
Butane (CAS 106-97-8)	2.89
Propane (CAS 74-98-6)	2.36
<b>Mobility in soil</b>	No data available.
<b>Mobility in general</b>	No data available.
<b>Other adverse effects</b>	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

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	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 (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## Section 14 - Transport information

<b>DOT</b>	
<b>UN number</b>	UN1950

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**Proper shipping name** Aerosols, flammable, (each not exceeding 1 L capacity)  
**Transport hazard class(es)** 2.1  
**Packing group** Not Applicable.  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Labels required** None/Ninguno  
**Special provisions** N82  
**Packaging exemption** 306  
**Packaging non bulk** None/Ninguno  
**Packaging bulk** None/Ninguno

**IATA**

**UN number** UN1950  
**UN proper shipping name** Aerosols, flammable  
**Transport hazard class(es)** 2.1  
**Packing group** Not Applicable.  
**Environmental hazards** Yes  
**Labels required** 2.1  
**ERG Code** 10L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Other Information**  
     **Passenger and Cargo aircraft** Allowed with restrictions.  
     **Cargo aircraft only** Allowed with restrictions.  
**Packaging Exceptions** LTD QTY

**IMDG**

**UN number** UN1950  
**UN proper shipping name** AEROSOLS  
**Transport hazard class(es)** 2.1  
**Packing group** Not Applicable.  
**Environmental hazards** No  
     **Marine pollutant**  
**Labels required** 2.1  
**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.

<b>TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)</b>	Not regulated.	
Components	% by Weight	Comment
Propane (CAS 74-98-6)	2.5 - 10	
Citrus Terpenes (CAS 5989-27-5)	2.5 - <10	
Butane (CAS 106-97-8)	1 - 2.5	

<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not listed	
Component	Result	Comment
Propane (CAS 74-98-6)		

**CERCLA Hazardous Substance List (40 CFR 302.4)** Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

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

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SARA 313 (TRI reporting)

Not regulated.

**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)

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA)

Not regulated.

Food and Drug Administration (FDA)

Not regulated.

**US state regulations**

US.Massachusetts RTK - Substance List

Components

Propane (CAS 74-98-6)

Butane (CAS 106-97-8)

US.New Jersey Worker and Community Right-to-Know Act

Components

Propane (CAS 74-98-6)

Butane (CAS 106-97-8)

US.Pennsylvania RTK - Hazardous Substances

Components

Propane (CAS 74-98-6)

Butane (CAS 106-97-8)

US.Rhode Island RTK

Components

Propane (CAS 74-98-6)

Butane (CAS 106-97-8)

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)	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)	Yes
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 # 02

HMIS Hazard Codes

PPE A

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