



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: **Citrus Foam Cleaner**

PRODUCT NUMBER: **CA3335-6**

CAS NUMBER: Mixture See Section 3.

PRODUCT FAMILY: Aerosol Cleaner

HMIS: Health **1** Reactivity **0** Flammability **2**

NFPA RATING AS AN AEROSOL: Level One

Medical Emergency: 1-800-633-9576 (8AM-5PM central time)

INFOTRAC: 1-800-535-5053

SECTION 2: HAZARD IDENTIFICATION



EMERGENCY OVERVIEW:

DANGER: EXTREMELY FLAMMABLE AEROSOL. PRESSURIZED CONTAINER MAY BURST IF HEATED. CAUSES SKIN IRRITATION.

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Avoid breathing vapor or mist. Avoid contact with skin and eyes. Over-exposure to vapor may cause irritation of the eyes. Inhalation of mist may cause irritation of the throat and lungs. Use in a well ventilated area. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Major Route(s) of Entry: ASPIRATION HAZARD, EYES.

This product contains less than 1% of Ethylene Glycol Monbutyl Ether, this chemical cause's severe eye irritation and skin irritation. Also contains D-Limonene which may be fatla if swallowed and enters airways. Can casue skin irriatation and allergic skin reactions.

Signs and symptoms of Acute Exposure

EYE CONTACT: Considered irritating to the eye. Symptoms include stinging, watering, redness, and swelling.

SKIN CONTACT: Prolonged exposure may cause defatting of the skin which could lead to dryness and cracking. People prone to skin sensitiveness may be more sensitive to this product.

SKIN ABSORPTION: Unlikely that this product would absorb into skin and cause damage.

INGESTION: Ingestion is unlikely with an aerosol, but is slightly toxic by ingestion. This product may cause irritation. **There is a danger of this product being aspirated into the lungs during vomiting. Aspiration can result in severe lung damage or death.**

INHALATION: May be irritating to respiratory tract at very high concentrations.

CHRONIC HEALTH EFFECTS SUMMARY:

CONDITIONS AGGRAVATED BY EXPOSURE: None known.

TARGET ORGANS: None.

CARCINOGENIC POTENTIAL: None.

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SECTION 3: COMPOSITION

| COMPONENT NAME(S) | CONCENTRATION (%) | CAS# |
|---------------------------------|-------------------|-----------|
| Deionized Water | 85-90 | 7732-18-5 |
| Ethylene Glycol Monobutyl Ether | >1 | 111-76-2 |
| d-Limonene | 1-5 | 5989-27-5 |
| Butane | 1-5 | 106-97-8 |
| Propane | 1-5 | 74-98-6 |

SECTION 4: FIRST AID MEASURES

Take proper precautions to ensure your own health and safety before attempting rescue or providing first aid. For more specific information, refer to Exposure Controls and Personal Protection in Section 8 of this MSDS.

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If spontaneous vomiting is about to occur, place victims head between their knees to prevent aspiration. Call a physician or transport to an emergency facility immediately.

IF IN EYES: Rinse cautiously with water for several minutes. Lift upper and lower eyelids to ensure proper rinsing. Get medical attention if irritation persists.

IF ON SKIN: Wash skin with soap and water. Remove contaminated clothing and launder it before reuse. Should any irritation persist, get medical attention.

IF INHALED: Increase fresh air circulation or leave area. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Get immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

NFPA Flammability Classification: LEVEL 1 Aerosol

FLASH POINT: Not Determined **FLAMMABLE LIMITS:** UEL 10.6 % LEL 0.7 %

EXTINGUISHING MEDIUM: AS APPROPRIATE FOR COMBUSTIBLES IN AREA.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus when fighting fires containing or around this product. Shut off all sources of ignition, if possible. Keep exposed containers cool with water spray to prevent rupture. Evacuate all non-trained personnel. Wear full protective clothing, including helmet. Ventilate area. Contain spill and dike, if possible. For leaks or spills water spray can be used to disperse any flammable vapors that may become concentrated or form in poorly ventilated areas and to protect personnel attempting to stop the leak.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters should wear SCBA's in a positive pressure mode with full face shield. Vapors are heavier than air and may travel long distances and accumulate in low areas or spread along ground from handling site. Eliminate all sources of ignition. Never use welding or cutting torch on or near this product because even just residue can ignite explosively.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Take proper precautions to ensure your own health and safety before attempting spill control or clean-up.

Ventilate area-especially low places where heavy vapors might collect. Extinguish all ignition sources. For small spills/leaks mop, wipe, or soak up on an inorganic material immediately. Remove to vent hood or outside. For large spills/leaks evacuate area, contain spill (dike area), and transfer contained liquid to a DOT approved container for disposal. Keep out of water supply. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personnel protective equipment.

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SECTION 7: HANDLING AND STORAGE

Store in tightly sealed containers. Keep away from heat, sparks & open flame. Do not get in eyes, on skin or clothing. Do not breathe vapor, mist or gas. Do not store or transfer to an unmarked container. Do not throw empty containers in trash compactor. Do not store in direct sun. Store containers below 120°F. Read label before using.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Control airborne concentrations below the exposure limits see below. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Lethal concentrations may exist in areas with poor ventilation.

PERSONAL PROTECTIVE EQUIPMENT: Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. Minimum requirements are: SAFETY GLASSES and GLOVES.

RESPIRATORY PROTECTION (SPECIFY TYPE): If workplace exposure limit(s) of product or any component is exceeded (see Section two), a NIOSH approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

HAND PROTECTION: For brief contact, no precautions should be needed. When prolonged or frequently repeated contact could occur, use protective gloves such as; polyvinyl alcohol or polyethylene.

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised; OSHA regulations also permit other type of safety glasses (consult your safety equipment supplier)

BODY PROTECTION: To prevent repeated or prolonged skin contact, use protective clothing impervious to this product. Selection of specific items such as gloves, boots, apron, or full body suit will depend on operation.

OCCUPATIONAL EXPOSURE GUIDELINES:

| Substance | Applicable Workplace Exposure Levels | |
|---------------------------------|--------------------------------------|---------|
| | OSHA PEL | ACGIH |
| Deionized Water | NE | NE |
| Ethylene Glycol Monobutyl Ether | 25 ppm | 20 ppm |
| Butane | 800 ppm | 800 ppm |
| Propane | 1000 ppm | NE |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--|------------------------------------|--------------------------------------|
| PHYSICAL STATE: Aerosol | COLOR: White Foam | ODOR: Citrus |
| SPECIFIC GRAVITY: 0.90-1.2 (Water =1) | pH: N/A | VAPOR DENSITY (Air =1): Greater Than |
| BOILING POINT RANGE: N/D | MELTING POINT /FREEZING POINT: N/D | |
| VAPOR PRESSURE (mmHg or psig @70°F): | 50-70 psig | VISCOSITY (cps @ 70°F) N/D |
| SOLUBILITY IN WATER % BY WT.: Completely | | |
| VOLATILE ORGANIC COMPOUNDS (VOCs) Content: >10 % | | |

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable. Avoid open flames, welding arcs or other high temperature sources, which induce thermal decomposition. Avoid direct sunlight.

INCOMPATIBILITY: Strong oxidizers, strong alkalies, halogens, vinyl chloride, iodine pentafluoride, peroxides, and acidic clays.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, and carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

No toxicological studies have been conducted on this product.

| Chemical | LC50 Inhalation (rat) | LD 50 |
|------------|-----------------------------|------------------------------------|
| Propane | 658 mg/l/4h | |
| Butane | 30957 mg/m ³ 4 h | |
| d-Limonene | NE | ➤ 2 g/kg (rat), > 5 g/kg (rabbits) |

SECTION 12: ECOLOGICAL INFORMATION

No ecological studies have been conducted on this product.

ECOTOXICITY: If spilled this any water or soil contaminated may be hazardous to human, animal and aquatic life.

ENVIRONMENTAL FATE: The chemicals in this product are potentially toxic to freshwater and salt water ecosystems. They will normally float on water with their lighter components evaporating rapidly. In stagnant or slow-flowing waterways, a hydrocarbon layer can cover a large surface area. As a result this layer might limit or eliminate natural atmospheric oxygen transport into the water. Which with time could lead to a fish kill or an anaerobic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Hazard characteristics and regulatory waste stream classification can change with product use. It is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

When disposing of unused contents, the preferred options are to send to licensed reclaimers or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local laws and regulations. Do not dump into sewers, on the ground, or into any body of water.

SECTION 14: TRANSPORT INFORMATION

DOT STATUS: This material is regulated by the U.S. Department of Transportation (DOT).

PROPER SHIPPING NAME: (to ship on the ocean):

UN1950, AEROSOLS, FLAMMABLE (each not exceeding 1L capacity), 2.1, LTD. QTY

HAZARD CLASS: 2.1

PACKING GROUPS: None for aerosols

PLACARDS: None Required

EMERGENCY RESPONSE GUIDE NO: 126

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SECTION 15: REGULATORY INFORMATION

311/312 HAZARD CATEGORIES:

Fire Hazard: YES Pressure Hazard: YES Reactivity Hazard: YES Immediate Hazard: NO Delayed Hazard: NO

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III:

| CHEMICAL | CAS NUMBER | CONCENTRATION % |
|---------------------------------|------------|-----------------|
| Ethylene glycol monobutyl ether | 111-76-2 | >1 |

FEDERAL EPA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires the notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (rqs) in 40 CFR 302.4.

| CHEMICAL | CAS NUMBER | CONCENTRATION % UPPER BOUND | RQs IN # |
|-------------|------------|-----------------------------|----------|
| None Listed | | | |

CALIFORNIA PROPOSITION 65 None listed

MASSACHUSETTS RIGHT TO KNOW: Yes

| | | |
|---------------------------------|----------|-----|
| Ethylene glycol monobutyl ether | 111-76-2 | > 1 |
| Propane | 74-98-6 | 1-5 |
| Butane | 106-97-8 | 1-5 |

PENNSYLVANIA RIGHT TO KNOW: Yes

| | | |
|---------------------------------|----------|-----|
| Ethylene glycol monobutyl ether | 111-76-2 | > 1 |
| Propane | 74-98-6 | 1-5 |
| Butane | 106-97-8 | 1-5 |

NEW JERSEY RIGHT TO KNOW: Yes

| | | |
|---------------------------------|----------|-----|
| Ethylene glycol monobutyl ether | 111-76-2 | > 1 |
| Propane | 74-98-6 | 1-5 |
| Butane | 106-97-8 | 1-5 |

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: Listed

SECTION 16: OTHER INFORMATION

REVISION INFORMATION

VERSION NUMBER: 1.0001

REVISION DATE: 7/16/2015

PRINT DATE:

ABBREVIATIONS:

N/A: Not Applicable

N/D: Not Determined

NE: Not Established

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

HMIS: Hazardous Materials Information System

NFPA: National Fire Protection Association

EPA: US Environmental Protection Agency NIOSH: National Institute of Occupational Safety and Health

DISCLAIMER OF LIABILITY:

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