# Arm & Hammer™ Odor Blasters™ Deep Rinse & Revitalize Fabric Rinse Fresh Burst (NA GHS 2024)

Safety Data Sheet

According To Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules And Regulations And According To The Hazardous Products Regulation (December 15, 2022).

Revision Date: Date of Issue: 02/27/2025 Version: 1.0

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Mixture

**Product Name:** Arm & Hammer™ Odor Blasters™ Deep Rinse & Revitalize Fabric Rinse Fresh Burst (NA GHS 2024)

**Product Code**: 42018468

### Recommended Use and Restrictions on Use

**Use Of The Substance/Mixture** : Laundry Additive.

**Restrictions On Use** : No additional information available

### Name, Address, and Telephone of the Responsible Party

**Company**

Church & Dwight Co. Inc.

500 Charles Ewing Blvd

Ewing Township, NJ 08628

T 1-800-524-1328

www.churchdwight.com

**Company**

Church and Dwight Canada Corp.

5485 Ferrier

Montreal, Qc, H4P 1M6

www.churchdwight.ca

www.econsumeraffairs.com/churchdwight/contactus

### Emergency Telephone Number

**Emergency Number** : For Medical Emergency: 1-888-234-1828 (USA and Canada), 952-853-1925 (Outside USA and Canada)
For Chemical Emergency: VelocityEHS (800)255-3924 (North America) +1 (813)248-0585 (International)

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

**GHS-US/CA Classification**

| | |
|---|---|
| Serious eye damage/eye irritation, Category 1 | H318 |
| Skin sensitization, Category 1A | H317 |
| Hazardous to the aquatic environment, Acute Hazard, Category 3 | H402 |
| Hazardous to the aquatic environment, Chronic Hazard, Category 3 | H412 |

### Label Elements

**GHS-US/CA Labeling**

**Hazard Pictograms (GHS-US/CA)** :

GHS05

GHS07

**Signal Word (GHS-US/CA)** : Danger

**Hazard Statements (GHS-US/CA)** : H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H402 - Harmful to aquatic life.
H412 - Harmful to aquatic life with long lasting effects.

**Precautionary Statements (GHS-US/CA)** : P261 - Avoid breathing mist, vapors, spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or a doctor.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 2.3 Hazards associated with known or reasonably anticipated uses

If this product is used in unforeseeable chemical processes and not used as intended or reasonable, the hazards listed in Section 2.3 cannot cover all chemistries. Therefore, a Process Hazard Analysis (PHA) or other hazard assessment for additional specific end uses should be performed to ensure that hazards are fully understood, and adequate safety measures are in place. See Section 10 for relevant reactivity and stability information.

### 2.4. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### 2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

| Name | Synonyms | Product Identifier | % * | GHS Ingredient Classification |
|---|---|---|---|---|
| Poly(oxy-1,2-ethanediyl), .alpha.-hexyl-.omega.-hydroxy- | Hexan-1-ol, ethoxylated / Hexyl poly(oxyethylene) ether / Hexanol-1, ethoxylated / HEXETH-5 / .alpha.-Hexyl-.omega.-hydroxy-poly(oxyethylene) | (CAS-No.) 31726-34-8 | 3 - 7 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318 |
| Sodium xylenesulfonate | Sodium xylene sulfonate / Benzenesulfonic acid, dimethyl-, sodium salt / Sodium dimethylbenzenesulfonate / Sodium xylenesulphonate / Xylenesulfonate, sodium / Xylenesulfonic acid, sodium salt / Benzenesulphonic acid, dimethyl-, sodium salt / Benzenesulfonic acid, dimethyl-, sodium salt (1:1) / SODIUM XYLENESULFONATE / Dimethylbenzenesulfonic acid, sodium salt | (CAS-No.) 1300-72-7 | 1 - 5 | Eye Irrit. 2A, H319 |
| Alcohols, C10-16, ethoxylated | PEG alkyl(C10-16) ether / Polyethylene glycol ethers of C10-16 alcohols / .alpha.-Alkyl(C10-16)-.omega.-hydroxypoly(oxyethylene) / Ethoxylated alcohols (C10-16) / C10-16 Pareth-1 / C10-16 PARETH-1 / C10-16 Alcohol ethoxylate / C10-16 ALKETH-1 / Ethoxylated alcohols(C10-16) / Laureth-10 | (CAS-No.) 68002-97-1 | ≤ 2 | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |
| Diethylene glycol monohexyl ether | Diethylene glycol hexyl ether / Diethylene glycol n-hexyl ether / 3,6-Dioxa-1-dodecanol / Dodecan-1-ol, 3,6-dioxa- / Ethanol, 2-((2-hexyloxy)ethoxy)- / Ethanol, 2-[2-(hexyloxy)ethoxy]- / n-Hexyl carbitol / Hexyl carbitol / 2-((2-Hexyloxy)ethoxy)ethanol / 2-(2-Hexyloxyethoxy)ethanol / DEGHE / Diethylene glycol mono-n-hexyl ether / 2-[2-(Hexan-1-yloxy)ethoxy]ethanol / 2-(2- | (CAS-No.) 112-59-4 | 0.06 – 0.42 | Acute Tox. 4 (Dermal), H312<br>Eye Dam. 1, H318 |

| | | | | |
|---|---|---|---|---|
| | Hexoxyethoxy)ethanol / 3,6-Dioxadodecan-1-ol | | | |
| Citric acid | Citric acid, anhydrous / 2-Hydroxy-1,2,3-propanetricarboxylic acid / 1,2,3-Propanetricarboxylic acid, 2-hydroxy- / CITRIC ACID / 2-Hydroxypropane-1,2,3-tricarboxylic acid / Anhydrous citric acid | (CAS-No.) 77-92-9 | 0.1 - 1 | Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Comb. Dust 1 |
| Ethanone, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)- | 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one / 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone / 1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethan-1-one / Naphthalenone, 1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-aceto- / 1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-acetonaphthalenone / 1-(2,3,8,8-tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone / 7-Acetyl-1,2,3,4,5,6,7,8-octahydro-1,1,6,7-tetramethylnaphthalene | (CAS-No.) 54464-57-2 | 0.17 | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Acute 2, H401<br>Aquatic Chronic 1, H410 |
| 2-Acetonaphthone | 2'-Acetonaphthone / 2-Acetylnaphthalene / Ethanone, 1-(2-naphthalenyl)- / Ketone, methyl 2-naphthyl / Methyl .beta.-naphthyl ketone / Methyl 2-naphthyl ketone / Naphthalene, 2-acetyl- / 2-Naphthyl methyl ketone / 1-(2-Naphthyl)ethanone / .beta.-Methyl naphthyl ketone / 2-ACETONAPHTHONE | (CAS-No.) 93-08-3 | ≤ 0.134 | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411 |
| 3-Cyclohexene-1-carboxaldehyde, 2,4-dimethyl- | Cyclohex-3-ene, 1-carboxaldehyde-2,4-dimethyl- / 2,4-Dimethyl-3-cyclohexenecarboxaldehyde / 2,4-Dimethylcyclohex-3-ene-1-carbaldehyde / 4-Formyl-1,3-dimethylcyclohex-1-ene / 2,4-Dimethyl-3-cyclohexene carboxaldehyde / 2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE / Ligustral / Reaction mass of (1R,2R)-2,4-dimethylcyclohex-3-enecarbaldehyde and (1R,2S)-2,4-dimethylcyclohex-3-enecarbaldehyde / 2,4-Dimethyl-3-cyclohexene-1-carboxaldehyde / Mixture of: cis-2,4-dimethylcyclohex-3-ene-1-carbaldehyde (major | (CAS-No.) 68039-49-6 | ≤ 0.134 | Flam. Liq. 4, H227<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411 |

| | | | | |
|---|---|---|---|---|
| | component, 65% or more); trans-2,4-dimethylcyclohex-3-ene-1-carbaldehyde / 2,4-Dimethylcyclohex-3-ene-1-carboxaldehyde | | | |
| Octanal, 2-(phenylmethylene)- | Cinnamaldehyde, .alpha.-hexyl- / 2-Hexylcinnamaldehyde / .alpha.-Hexylcinnamaldehyde / 2-Benzylideneoctanal / HEXYL CINNAMAL / Hexyl cinnamal / .alpha.-Hexylcinnamic aldehyde / 2-(Phenylmethylene)octanal / Hexylcinnamaldehyde / Hexylcinnamic aldehyde | (CAS-No.) 101-86-0 | ≤ 0.134 | Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |
| Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)- | 3-p-Cumenyl-2-methylpropionaldehyde / Cyclamen aldehyde / Hydrocinnamaldehyde, p-isopropyl-.alpha.-methyl- / 2-Methyl-3-(p-isopropylphenyl)propionaldehyde / Phenylpropanal, .alpha.-methyl-4-isopropyl- / 3-(p-Cumenyl)-2-methylpropionaldehyde / CYCLAMEN ALDEHYDE / 3-(4-Isopropylphenyl)-2-methylpropanal / Isopropyl-.alpha.-methylhydrocinnamaldehyde | (CAS-No.) 103-95-7 | ≤ 0.134 | Flam. Liq. 4, H227<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Acute 2, H401<br>Aquatic Chronic 3, H412 |
| 2-tert-Butylcyclohexyl acetate | Cyclohexanol, 2-(1,1-dimethylethyl)-, acetate / Acetate, 2-tert-butylcyclohexyl / 1-Acetoxy-2-tert-butylcyclohexane / 2-tert-Butylcyclohexanol acetate / 2-(1,1-Dimethylethyl)cyclohexanol acetate / Cyclohexanol, 2-(1,1-dimethylethyl)-, 1-acetate / 2-T-BUTYLCYCLOHEXYL ACETATE / Reaction mass of cis-2-tert-butylcyclohexyl acetate and trans-2-tert-butylcyclohexyl acetate / Verdox / o-tert-Butylcyclohexyl acetate / 2-tert-Butylcyclohexan-1-yl acetate / 2-tert-butylcyclohexyl acetate | (CAS-No.) 88-41-5 | ≤ 0.134 | Flam. Liq. 4, H227<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411 |
| Benzyl acetate | Acetic acid, benzyl ester / Acetic acid, phenylmethyl ester / Benzyl ethanoate / Phenylmethyl acetate / BENZYL ACETATE | (CAS-No.) 140-11-4 | ≤ 0.134 | Flam. Liq. 4, H227<br>Aquatic Acute 2, H401<br>Aquatic Chronic 3, H412 |
| D-Limonene | Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- / Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)- / (R)-p-Mentha-1,8-diene / p-Mentha-1,8-diene, (R)-(+)- / Limonene, D- / (4R)-1-Methyl-4-(1- | (CAS-No.) 5989-27-5 | < 0.1 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

| | | | | |
|---|---|---|---|---|
| | methylethenyl)cyclohexene / (4R)-p-Mentha-1,8-diene / (R)-1-Methyl-4-(1-methylethenyl)cyclohexene / (R)-1-Methyl-4-(1-methylethenyl)cyclohex-1-ene / (R)-4-Isopropenyl-1-methylcyclohex-1-ene / Limonene, (+)- / D-LIMONENE | | | |
| 1,2-Benzisothiazol-3(2H)-one | 1,2-Benzisothiazolin-3-one / Benzisothiazolinone / 1,2-Benzisothiazolone / 1,2-Benzisothiazol-3-one / Benzisothiazolin-3-one, 1,2- / BENZISOTHIAZOLINONE / benzisothiazolinone | (CAS-No.) 2634-33-5 | < 0.1 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 2 (Inhalation:dust,mist), H330<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>Comb. Dust 1 |
| 3(2H)-Isothiazolone, 2-methyl- | 2-Methyl-3-isothiazolone / 3-Isothiazolone, 2-methyl- / 2-Methyl-2H-isothiazol-3-one / 2-Methyl-4-isothiazolin-3-one / 2-Methyl-4-isothiazolone-3-one / Methylisothiazolinone / Methylisothiazolone / Methyl-4-isothiazolin-3-one, 2- / METHYLISOTHIAZOLINONE / MIT / 2-Methyl-2,3-dihydroisothiazol-3-one / 2-Methylisothiazol-3(2H)-one / 3(2H)-Isothiazolon-3-one, 2-methyl- / 2-Methylisothiazolin-3(2H)-one / N-Methyl-isothiazolone / methylisothiazolinone | (CAS-No.) 2682-20-4 | < 0.1 | Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 2 (Inhalation:dust,mist), H330<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>STOT SE 3, H335<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

Full text of H-statements: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%). The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2022-272 and 29 CFR 1910.1200.

## SECTION 4: FIRST AID MEASURES

### Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Wash affected area with soap and water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists.

**Eye Contact:** Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### Most Important Symptoms and Effects Both Acute and Delayed

**General:** Skin sensitization. Causes serious eye damage.

**Inhalation:** Prolonged exposure may cause irritation.

**Skin Contact:** May cause an allergic skin reaction.

**Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Repeated and prolonged exposure may cause an allergic skin reaction.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide ($CO_2$), alcohol-resistant foam, or dry chemical.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products**: Carbon oxides (CO, $CO_2$). Sulfur compounds. Nitrogen oxides.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

### Reference to Other Sections

Refer to Section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

**For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

**For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray. Do not get in eyes, on skin, or on clothing.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

### Specific End Use(s)

Laundry Additive.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

| **D-Limonene (5989-27-5)** | | |
|---|---|---|
| **USA AIHA** | WEEL TWA | 30 ppm |

| **Benzyl acetate (140-11-4)** | | |
|---|---|---|
| **USA ACGIH** | ACGIH OEL TWA | 10 ppm |
| **USA ACGIH** | ACGIH chemical category | Not Classifiable as a Human Carcinogen |
| **Alberta** | OEL TWA | 61 mg/m³ |
| **Alberta** | OEL TWA | 10 ppm |
| **British Columbia** | OEL TWA | 10 ppm |
| **Manitoba** | OEL TWA | 10 ppm |
| **New Brunswick** | OEL TWA | 10 ppm |
| **Newfoundland & Labrador** | OEL TWA | 10 ppm |
| **Nova Scotia** | OEL TWA | 10 ppm |
| **Nunavut** | OEL STEL | 20 ppm |
| **Nunavut** | OEL TWA | 10 ppm |
| **Northwest Territories** | OEL STEL | 20 ppm |
| **Northwest Territories** | OEL TWA | 10 ppm |
| **Ontario** | OEL TWAEV | 10 ppm |
| **Prince Edward Island** | OEL TWA | 10 ppm |
| **Québec** | VEMP (OEL TWAEV) | 10 ppm |
| **Saskatchewan** | OEL STEL | 20 ppm |
| **Saskatchewan** | OEL TWA | 10 ppm |

### Exposure Controls

**Appropriate Engineering Controls:** For occupational/workplace settings: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Personal Protective Equipment:** For occupational/workplace settings and bulk quantities: Gloves. Protective clothing. Protective goggles.

**Materials for Protective Clothing:** For occupational/workplace settings and bulk quantities: Chemically resistant materials and fabrics.

**Hand Protection:** For occupational/workplace settings and bulk quantities: Wear protective gloves.

**Eye and Face Protection:** For occupational/workplace settings and bulk quantities: Chemical safety goggles.

**Skin and Body Protection:** For occupational/workplace settings and bulk quantities: Wear suitable protective clothing.

**Respiratory Protection:** For occupational/workplace settings and bulk quantities: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

| | | |
|---|---|---|
| **Physical State** | : | Liquid |
| **Color** | : | Clear |
| **Odor** | : | Scented |

| | | |
|---|---|---|
| **Odor Threshold** | : | No data available |
| **pH** | : | 7.5 – 8.5 |
| **Evaporation Rate** | : | No data available |
| **Melting Point** | : | No data available |
| **Freezing Point** | : | No data available |
| **Boiling Point** | : | No data available |
| **Flash Point** | : | No data available |
| **Auto-ignition Temperature** | : | No data available |
| **Decomposition Temperature** | : | No data available |
| **Flammability (solid, gas)** | : | Not applicable |
| **Lower Flammable Limit** | : | No data available |
| **Upper Flammable Limit** | : | No data available |
| **Vapor Pressure** | : | No data available |
| **Relative Vapor Density at 20°C** | : | No data available |
| **Relative Density** | : | 1 – 1.054 |
| **Specific Gravity** | : | 1 – 1.054 |
| **Solubility** | : | Water: Soluble |
| **Partition Coefficient: N-Octanol/Water** | : | No data available |
| **Viscosity, Kinematic** | : | No data available |
| **Particle Aspect Ratio** | : | Not applicable |
| **Particle Aggregation State** | : | Not applicable |
| **Particle Agglomeration State** | : | Not applicable |
| **Particle Specific Surface Area** | : | Not applicable |
| **Particle Dustiness** | : | Not applicable |
| **Viscosity** | : | < 10 cP |

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:**

Hazardous reactions will not occur under normal conditions.

**Chemical Stability:**

Stable under recommended handling and storage conditions (see section 7).

**Possibility of Hazardous Reactions:**

Hazardous polymerization will not occur.

**Conditions to Avoid:**

Direct sunlight, extremely high or low temperatures, and incompatible materials.

**Incompatible Materials:**

Strong acids, strong bases, strong oxidizers.

**Hazardous Decomposition Products:**

Thermal decomposition may produce: Carbon oxides (CO, $CO_2$). Sulfur compounds. Nitrogen oxides.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

**Likely routes of exposure:** Dermal, Eye Contact, Inhalation, Oral.

**Acute Toxicity (Oral):** Not classified.

**Acute Toxicity (Dermal):** Not classified.

**Acute Toxicity (Inhalation):** Not classified.

**LD50 and LC50 Data:**

No additional information available

**Skin Corrosion/Irritation:** Not classified.

**pH:** 7.5 – 8.5

**Eye Damage/Irritation:** Causes serious eye damage.

**pH:** 7.5 – 8.5

**Respiratory or Skin Sensitization:** 3(2H)-Isothiazolone, 2-methyl- (CAS-No. 2682-20-4) shown to case an allergic skin reaction at or above 0.0015%

**Germ Cell Mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified.

**Reproductive Toxicity:** Not classified.

**Specific Target Organ Toxicity (Single Exposure):** Not classified.

**Aspiration Hazard:** Not classified.

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction.

**Symptoms/Injuries After Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Repeated and prolonged exposure may cause an allergic skin reaction.

## Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:**

| | |
|---|---|
| **Alcohols, C10-16, ethoxylated (68002-97-1)** | |
| **ATE US/CA (oral)** | 500.00 mg/kg body weight |
| **1,2-Benzisothiazol-3(2H)-one (2634-33-5)** | |
| **LD50 Oral Rat** | 1020 mg/kg (Source: NZ_CCID) |
| **LD50 Dermal Rat** | > 2000 mg/kg (Source: ECHA_API) |
| **LC50 Inhalation Rat** | 0.21 mg/l/4h (OECD TG 403, GLP) (CLH Report (2021)) |
| **3(2H)-Isothiazolone, 2-methyl- (2682-20-4)** | |
| **LD50 Oral Rat** | 120 mg/kg (Source: EU_CLH) |
| **LD50 Dermal Rabbit** | 242 mg/kg |
| **LC50 Inhalation Rat** | 0.11 mg/l/4h |
| **Diethylene glycol monohexyl ether (112-59-4)** | |
| **LD50 Oral Rat** | 2400 mg/kg (Source: NLM_CIP) |
| **LD50 Dermal Rabbit** | 2001 mg/kg body weight (Source: NLM_PUBMED) |
| **Citric acid (77-92-9)** | |
| **LD50 Oral Rat** | 3 g/kg (Source: NLM_CIP) |
| **LD50 Dermal Rat** | > 2000 mg/kg (Source: EU_CLH) |
| **ATE US/CA (oral)** | 3,000.00 mg/kg body weight |
| **Sodium xylenesulfonate (1300-72-7)** | |
| **LD50 Oral Rat** | > 5000 mg/kg |
| **LD50 Dermal Rabbit** | > 2000 mg/kg |
| **LC50 Inhalation Rat** | > 6.14 mg/l/4h (Exposure = 3.87 hours) |
| **2-Acetonaphthone (93-08-3)** | |
| **LD50 Dermal Rat** | > 2000 mg/kg (Source: ECHA_API) |
| **Octanal, 2-(phenylmethylene)- (101-86-0)** | |
| **LD50 Oral Rat** | 3100 mg/kg (Source: NLM_CIP) |
| **LD50 Dermal Rabbit** | > 3000 mg/kg (Source: EPA_HPV) |
| **LC50 Inhalation Rat** | > 5 mg/l/4h |
| **Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)- (103-95-7)** | |
| **LD50 Oral Rat** | 3810 mg/kg (Source: NLM_CIP) |
| **LD50 Dermal Rat** | > 5000 mg/kg (Source: ECHA_API) |
| **2-tert-Butylcyclohexyl acetate (88-41-5)** | |
| **LD50 Oral Rat** | 4600 mg/kg (Source: NLM_CIP) |
| **LD50 Dermal Rabbit** | > 5000 mg/kg |
| **D-Limonene (5989-27-5)** | |
| **LD50 Oral Rat** | 4400 mg/kg (Source: CHEMVIEW) |
| **LD50 Dermal Rabbit** | > 5 g/kg (Source: CHEMVIEW) |

| **Benzyl acetate (140-11-4)** | |
|---|---|
| **LD50 Oral Rat** | 2490 mg/kg (Source: JAPAN_GHS) |
| **LD50 Dermal Rabbit** | > 5000 mg/kg (Source: JAPAN_GHS) |

| **Poly(oxy-1,2-ethanediyl), .alpha.-hexyl-.omega.-hydroxy- (31726-34-8)** | |
|---|---|
| **LD50 Oral Rat** | > 300 – 2000 |
| **ATE US/CA (oral)** | 300.00 mg/kg body weight |

| **D-Limonene (5989-27-5)** | |
|---|---|
| **IARC Group** | 3 |
| **National Toxicology Program (NTP) Status** | Evidence of Carcinogenicity. |

| **Benzyl acetate (140-11-4)** | |
|---|---|
| **IARC Group** | 3 |

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

**Ecology - General:** Harmful to aquatic life with long lasting effects.

| **Alcohols, C10-16, ethoxylated (68002-97-1)** | |
|---|---|
| **LC50 Fish 1** | > 1 mg/l |
| **EC50 - Crustacea [1]** | 0.238 mg/l |
| **ErC50 algae** | 0.254 mg/l |
| **NOEC Chronic Fish** | > 0.1 mg/l |
| **NOEC Chronic Algae** | 0.077 mg/l |

| **1,2-Benzisothiazol-3(2H)-one (2634-33-5)** | |
|---|---|
| **EC50 - Crustacea [1]** | 0.99 mg/l |
| **ErC50 algae** | 0.22 mg/l |
| **NOEC Chronic Algae** | 0.0403 mg/l |

| **Citric acid (77-92-9)** | |
|---|---|
| **LC50 Fish 1** | 1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus Source: OECD_SIDS) |

| **Sodium xylenesulfonate (1300-72-7)** | |
|---|---|
| **EC50 - Crustacea [1]** | > 1580 mg/l (Exposure time: 48 h - Species: Oncorhynchus mykiss [Flow-through]) |

| **Ethanone, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)- (54464-57-2)** | |
|---|---|
| **LC50 Fish 1** | 1.3 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [Semi-static]) |
| **EC50 - Crustacea [1]** | 1.38 mg/l (Exposure time: 48 h - Species: Daphnia magna [Semi-static]) |
| **ErC50 algae** | 2.6 mg/l (Exposure time: 72 h - Species: Scenedesmus subspicatus [Static]) |

| **2-Acetonaphthone (93-08-3)** | |
|---|---|
| **LC50 Fish 1** | 5 mg/l |
| **EC50 - Crustacea [1]** | 48.1 mg/l |
| **ErC50 algae** | 8.9 mg/l |
| **NOEC Chronic Fish** | 2.587 mg/l |
| **NOEC Chronic Crustacea** | 1.798 mg/l |

| **Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)- (103-95-7)** | |
|---|---|
| **EC50 - Crustacea [1]** | 1.4 mg/l |
| **NOEC Chronic Crustacea** | 0.44 mg/l |

| **D-Limonene (5989-27-5)** | |
|---|---|
| **LC50 Fish 1** | 0.619 (0.619 – 0.796) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| **EC50 - Crustacea [1]** | 0.307 mg/l |
| **LC50 Fish 2** | 35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA) |
| **NOEC Chronic Algae** | 0.05 mg/l |

| **Benzyl acetate (140-11-4)** |
|---|

| | |
|---|---|
| **LC50 Fish 1** | 4 mg/l |
| **NOEC Chronic Fish** | 0.92 mg/l |

### Persistence and Degradability

| **Arm & Hammer™ Odor Blasters™ Deep Rinse & Revitalize Fabric Rinse Fresh Burst (NA GHS 2024)** | |
|---|---|
| **Persistence and Degradability** | May cause long-term adverse effects in the environment. |

| **Citric acid (77-92-9)** | |
|---|---|
| **Persistence and Degradability** | Readily biodegradable in water. |

### Bioaccumulative Potential

| **Arm & Hammer™ Odor Blasters™ Deep Rinse & Revitalize Fabric Rinse Fresh Burst (NA GHS 2024)** | |
|---|---|
| **Bioaccumulative Potential** | Not established. |

| **1,2-Benzisothiazol-3(2H)-one (2634-33-5)** | |
|---|---|
| **Partition coefficient n-octanol/water (Log Pow)** | 0.99 (at 20 °C (at pH 5) |

| **3(2H)-Isothiazolone, 2-methyl- (2682-20-4)** | |
|---|---|
| **Partition coefficient n-octanol/water (Log Pow)** | -0.26 (at 20 °C (at pH 5) |

| **Citric acid (77-92-9)** | |
|---|---|
| **Partition coefficient n-octanol/water (Log Pow)** | -1.72 (at 20 °C) |

| **Sodium xylenesulfonate (1300-72-7)** | |
|---|---|
| **Partition coefficient n-octanol/water (Log Pow)** | -3.12 (at 20 °C (at pH 11.96) |

| **2-Acetonaphthone (93-08-3)** | |
|---|---|
| **Partition coefficient n-octanol/water (Log Pow)** | 2.678 (at 25 °C) |

| **Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)- (103-95-7)** | |
|---|---|
| **Partition coefficient n-octanol/water (Log Pow)** | 3.4 (at 35 °C) |

| **D-Limonene (5989-27-5)** | |
|---|---|
| **Partition coefficient n-octanol/water (Log Pow)** | 4.38 (at 37 °C (at pH 7.2) |

| **Benzyl acetate (140-11-4)** | |
|---|---|
| **Partition coefficient n-octanol/water (Log Pow)** | 1.96 (at 25 °C (at pH 7) |

### Mobility in Soil

No additional information available

### Other Adverse Effects

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

### In Accordance with DOT

Not regulated for transport

### In Accordance with IMDG

Not regulated for transport

**In Accordance with IATA**

Not regulated for transport

**In Accordance with TDG**

Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

**US Federal Regulations**

| **Arm & Hammer™ Odor Blasters™ Deep Rinse & Revitalize Fabric Rinse Fresh Burst (NA GHS 2024)** | |
|---|---|
| **SARA Section 311/312 Hazard Classes** | Health hazard - Respiratory or skin sensitization<br>Health hazard - Serious eye damage or eye irritation |

| **Alcohols, C10-16, ethoxylated (68002-97-1)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active | |
| **EPA TSCA Regulatory Flag** | XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711). |

| **1,2-Benzisothiazol-3(2H)-one (2634-33-5)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active |

| **3(2H)-Isothiazolone, 2-methyl- (2682-20-4)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active | |
| **EPA TSCA Regulatory Flag** | PMN - PMN - indicates a commenced PMN substance.<br>SP - SP - indicates a substance that is identified in a proposed Significant New Uses Rule. |

| **Diethylene glycol monohexyl ether (112-59-4)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active |

| **Citric acid (77-92-9)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active |

| **Sodium xylenesulfonate (1300-72-7)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active |

| **Ethanone, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)- (54464-57-2)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active |

| **2-Acetonaphthone (93-08-3)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active |

| **3-Cyclohexene-1-carboxaldehyde, 2,4-dimethyl- (68039-49-6)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active |

| **Octanal, 2-(phenylmethylene)- (101-86-0)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active |

| **Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)- (103-95-7)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active |

| **2-tert-Butylcyclohexyl acetate (88-41-5)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active |

| **D-Limonene (5989-27-5)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active |

| **Benzyl acetate (140-11-4)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active |

| **Poly(oxy-1,2-ethanediyl), .alpha.-hexyl-.omega.-hydroxy- (31726-34-8)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active | |
| **EPA TSCA Regulatory Flag** | XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711). |

### US State Regulations

| **Benzyl acetate (140-11-4)** |
|---|
| U.S. - New Jersey - Right to Know Hazardous Substance List |

### Canadian Regulations

| **Alcohols, C10-16, ethoxylated (68002-97-1)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **1,2-Benzisothiazol-3(2H)-one (2634-33-5)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **3(2H)-Isothiazolone, 2-methyl- (2682-20-4)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **Diethylene glycol monohexyl ether (112-59-4)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **Citric acid (77-92-9)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **Sodium xylenesulfonate (1300-72-7)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **Ethanone, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)- (54464-57-2)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **2-Acetonaphthone (93-08-3)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **3-Cyclohexene-1-carboxaldehyde, 2,4-dimethyl- (68039-49-6)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **Octanal, 2-(phenylmethylene)- (101-86-0)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)- (103-95-7)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **2-tert-Butylcyclohexyl acetate (88-41-5)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **D-Limonene (5989-27-5)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **Benzyl acetate (140-11-4)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **Poly(oxy-1,2-ethanediyl), .alpha.-hexyl-.omega.-hydroxy- (31726-34-8)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest Revision** : 02/27/2025

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2022-272.

**GHS Full Text Phrases:**

| | |
|---|---|
| H226 | Flammable liquid and vapor |
| H227 | Combustible liquid |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |

| | |
|---|---|
| H311 | Toxic in contact with skin |
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H330 | Fatal if inhaled |
| H335 | May cause respiratory irritation |
| H400 | Very toxic to aquatic life |
| H401 | Toxic to aquatic life |
| H402 | Harmful to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |

**Glossary of Data Source Abbreviations**

ATSDR: Agency for Toxic Substances and Disease Registry (U.S. Department of Health and Human Services)
AU_WES: Australia WES
CHEMVIEW: ChemView (U.S. Environmental Protection Agency)
EC_RAR: European Commission Renewal Assessment Report
EC_SCOEL: European Commission Scientific Committee on Occupational Exposure Limits
ECETOC: European Centre for Ecotoxicology and Toxicology of Chemicals Reports
ECHA_API: European Chemicals Agency API
ECHA_RAC: ECHA Committee for Risk Assessment
EFSA: European Food Safety Authority
EPA: U.S. Environmental Protection Agency
EPA_AEGL: Acute Exposure Guideline Levels (U.S. Environmental Protection Agency)
EPA_FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act Reregistration Eligibility Decision (U.S. Environmental Protection Agency)
EPA_HPV: High Production Volume Chemicals (U.S. Environmental Protection Agency)
EPA_TRED: Risk Assessment for Tolerance Reassessment Eligibility Decision (U.S. Environmental Protection Agency)
EU_CLH: European Union Harmonised Classification and Labelling Proposal
EU_RAR: European Union Risk Assessment Report
FOOD_JOURN: Food Research Journal (1956)
IARC: The International Agency for Research on Cancer
IDLH: National Institute for Occupational Health and Safety Immediately Dangerous to Life or Health Value Profiles
IUCLID: International Uniform Chemical Information Database
JAPAN_GHS: Japan GHS Basis for Classification Data
JP_J-CHECK: Japan J-Check
KR_NIER: South Korea National Institute of Environmental Research Evaluations
NICNAS: Australia National Industrial Chemicals Notification and Assessment Scheme
NIOSH: National Institute for Occupational Health and Safety (U.S. Department of Health and Human Services)
NLM_CIP: National Library of Medicine ChemID plus database
NLM_HSDB: National Library of Medicine Hazardous Substance Data Bank
NLM_PUBMED: National Library of Medicine PubMed database
NTP: National Toxicology Program
NZ_CCID: New Zealand Chemical Classification and Information Database
OECD_EHSP: Environment, Health, and Safety Publication (Organisation for Economic Co-operation and Development)
OECD_SIDS: Screening Information Data Sets (Organisation for Economic Co-operation and Development)
WHO: World Health Organization

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

NA GHS SDS 2024 (Can, US)