

Safety Data Sheet
California Orange

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: California Orange
PRODUCT CODE: ACO-660
RECOMMENDED USE: Cleaner and Degreaser
RESTRICTIONS ON USE: None known.
COMPANY NAME: BAF Industries
COMPANY ADDRESS: 8010 Dixie Highway, Florence, KY 41042
COMPANY PHONE: 859-372-5900
EMERGENCY PHONE: CHEMTREC: 800-424-9300; If outside USA: 703-527-3887

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Aerosol: Category 1
Gases Under Pressure: Liquefied Gas
Skin Irritant: Category 2
Eye Damage: Category 1
Skin Sensitization: Category 1

HAZARD STATEMENT(S): DANGER: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation and serious eye damage. May cause an allergic skin reaction.

This product contains the following percentage of chemicals of unknown toxicity: N/A

PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames, and 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. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor. Avoid breathing mist, vapors or spray. Contaminated work clothing must not be allowed out of the workplace. Dispose of contents in accordance with local, state and federal regulations.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
d-Limonene	5989-27-5	70-80%
Propane	74-98-6	5-15%
N-Butane	106-97-8	5-15%
Dodecylphenol ethoxylate	Proprietary	1-5%

Trade Secret Information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION IV - FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention.

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists. Never give anything by mouth to an unconscious person.

INHALATION: Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

SKIN: Wash skin thoroughly with soap and water. Remove contaminated clothing and shoes, launder before reuse. If irritation persists seek medical attention.

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ACUTE HEALTH HAZARDS: Causes skin irritation including redness, burning and drying/cracking. May cause an allergic skin reaction. Causes severe damage to eyes. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARDS: Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.

NOTE TO PHYSICIAN: Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemicals, carbon dioxide, water spray, alcohol-resistant foam.

UNSUITABLE EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Shut off all sources of ignition. Use water spray to disperse vapor and cool fire exposed containers. Prevent run off from entering streams, sewers, or drinking water supply.

UNUSUAL FIRE AND EXPLOSION HAZARDS: EXTREMELY FLAMMABLE. Contents under pressure. Exposure to temperatures above 120 °F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Eliminate all sources of ignition. Absorb with non-combustible material like vermiculite, sand or earth and rinse with small amount of soapy water. Do not allow to drain into sewers or storm drains. Dispose of in accordance with local, state and federal regulations.

WASTE DISPOSAL: Dispose of contents in accordance with federal, state and local regulations. Do not dump in sewers.

RCRA STATUS: Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Wear proper personal protective equipment when using this product. Store in a cool, dry area. Keep away from heat, open flames, or other sources of ignition. Wash hands after use. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS: Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

INCOMPATIBILITY: Strong acids and bases, oxidizing agents.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
d-Limonene	Not Established	Not Established
Propane	1000 ppm	1000 ppm
N-Butane	Not Established	Not Established
Dodecylphenol ethoxylate	Not Established	Not Established

ENGINEERING CONTROLS / VENTILATION: Use only outdoors or in a well-ventilated area.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles and chemical resistant gloves.

ADDITIONAL MEASURES: Do not touch eyes when using this product. Wash hands thoroughly with soap and water after use. Contaminated work clothing must not be allowed out of the workplace

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, colorless to slight tint spray
ODOR: Citrus
ODOR THRESHOLD: N/D
pH: N/A
MELTING POINT/FREEZING POINT: N/D
INITIAL BOILING POINT AND BOILING RANGE: N/D
FLASH POINT: Not applicable, as aerosol.
EVAPORATION RATE: N/D
FLAMMABILITY(solid/gas): Extremely Flammable Aerosol
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:
 LOWER FLAMMABILITY LIMIT: N/A
 UPPER FLAMMABILITY LIMIT: N/A
 EXPLOSIVE LIMIT LOWER (%): N/D
 EXPLOSIVE LIMIT UPPER (%): N/D
VAPOR PRESSURE (mm Hg): N/D
VAPOR DENSITY (AIR=1): N/D
RELATIVE DENSITY (H₂O=1): 0.82 - 0.86 @ 77 °F (25 °C)
SOLUBILITY(IES): N/D
PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D
AUTOIGNITION TEMPERATURE: N/D
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: None known.
CHEMICAL STABILITY: Stable.
POSSIBLE HAZARDOUS REACTIONS: None known.
CONDITIONS TO AVOID: Temperatures greater than 122 °F and sources of ignition. Avoid incompatibles.
INCOMPATIBLE MATERIALS: Strong acids and bases, oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: d-Limonene (5989-27-5): LD₅₀ (Oral, Rat) 4400 mg/kg; LD₅₀ (Mouse) 5600 mg/kg; LD₅₀ (Dermal, Rabbit) 5000 mg/kg.
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: May cause severe eye damage.
INGESTION: May cause gastrointestinal irritation, nausea, diarrhea, vomiting.
INHALATION: May cause respiratory tract irritation. No hazards with normal use.
SKIN: May cause mild irritation, localized defatting, repeated prolonged contact may cause allergic reaction in some individuals.
MEDICAL CONDITION AGGRAVATED: Pre-existing disorders of the skin.
ACUTE HEALTH HAZARDS: Causes skin irritation including redness, burning and drying/cracking. May cause an allergic skin reaction. Causes severe damage to eyes. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
CHRONIC HEALTH HAZARDS: Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.
CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: 3 - Not classifiable OTHER: CA Prop 65

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: Avoid release to the environment. **d-Limonene (5989-27-5):** EC₅₀ (*Pimephales promelas*, 96h) 688 µg/L; EC₅₀ (*Daphnia magna*, 48h) 421 µg/L. **Dodecylphenol ethoxylate (Proprietary):** LC₅₀ (*Oncorhynchus mykiss*, 96h) 1.8 mg/L; LC₅₀ (*Poecilia latipinna*, 48h) 2.7 mg/L; EC₅₀ (*Daphnia magna*, 48h) 1.5 mg/L; LOEC (Mussel, 21d) 2.4 mg/L.
PERSISTENCE AND DEGRADABILITY: This product is biodegradable.
BIOACCUMULATIVE POTENTIAL: Components in this mixture can bioaccumulate in aquatic organisms.

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MOBILITY IN SOIL: This product is mobile in soil.

OTHER ADVERSE EFFECTS: None known.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of contents in accordance with federal, state and local regulations. Do not dump in sewers.

RCRA STATUS: Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, flammable

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKING GROUP: N/A

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKING GROUP: N/A

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None.

SARA 311/312 HAZARD CATEGORIES: Flammable (gases, aerosols, liquids, solids). Gas under pressure. Skin corrosion or irritation. Serious eye damage or eye irritation. Respiratory or skin sensitization.

SARA 313 REPORTABLE INGREDIENTS: **Certain Glycol Ethers** (Category Code N230).

STATE REGULATIONS: California Proposition 65: WARNING: This product can expose you to chemicals including beta-Myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2-Butoxyethanol (111-76-2): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: PA, RI.

INTERNATIONAL REGULATIONS: No information available.

VOLATILE ORGANIC COMPOUNDS (VOC): 96.8%

NFPA HEALTH: 2

HMIS HEALTH: 2

NFPA FLAMMABILITY: 3

HMIS FLAMMABILITY: 3

NFPA REACTIVITY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: B

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Roberto Cerón

DATE PREPARED: 10/12/2021

REVISION DATE: 10/22/2021

N/A = Not Applicable; N/D = Not Determined

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