

01 Chemical Product and Company Identification

Product Name Formula 747
Product Use Laundry Pre-spotter
Product Code 3015
For Medical Emergency Call 'Chemtrec' 1-800-424-9300
Supplier's Information Santec Inc.
 1420 East Linden Avenue, Linden NJ 07036

02 Hazards Identification

GHS Classification: 1. Skin - Category 1A
 2. Eyes - Category 2
 3. Flammability - Category 4

GHS Label Element:



Signal Word: Warning
Hazard Statement: Combustible. Causes eye irritation.
Precautionary Statements: Wear protective gloves, splash goggles and protective clothing. Do not breathe the mist /vapors /spray. Wash thoroughly after handling.

Acute Effects

Eyes: Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.
Skin: May cause skin irritation. May cause skin sensitization. May cause allergic reactions in certain individuals. Prolonged or repeated contact may dry skin and cause irritation. Skin inflammation is characterized by itching, scaling, or reddening.
Inhalation: Over-exposure by inhalation may cause respiratory irritation.
Ingestion: Aspiration hazard if swallowed. Can enter lungs and cause damage.

Chronic Effects

Carcinogenicity: No known critical effects or critical hazards.
Product /Ingredient Name: Not available.

03 Composition/ Information on Ingredients

Name of Hazardous Ingredients	CAS No.	WT.%
Citrus Terpenes	94266-47-4	60-80
Nonylphenol Ethoxylate	127087-87-0	15-25
Cocamide DEA	68603-42-9	2-10

04 First Aid Measures

Eye Contact: Check for and remove any contact lenses. Flush with large quantities of water, holding eyelids open for 15 minutes. Seek medical attention if symptoms persist.
Skin Contact: Wash skin with copious amounts of water. If symptoms persist seek medical attention.
Inhalation: Remove to fresh air. Seek medical attention if irritation persists.
Ingestion: Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention immediately.

05 Fire Fighting Measures

Suitable Fire Extinguishing Media: Use dry chemical, CO₂, water spray, fog or foam.
Specific Hazards Arising from the Chemical: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous Thermal Decomposition Products: No Specific Data
Specific Fire-Fighting Methods: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Specific Protective Equipment for Fire-Fighters: Fire-Fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

06 Accidental Release Measures

Spill Clean Up: Eliminate all ignition sources. Put on appropriate personal protective equipment (see section 8). Absorb with an inert material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

07 Handling and Storage

Handling: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Wash thoroughly after handling. Store and use away from heat, sparks, open flames, or any other ignition sources.

Storage: Store between the following temperatures: 4.44 to 48.9°C (40 to 120°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Eliminate all ignition sources.

08 Exposure Controls/ Personal Protection

Ingredient Name

Exposure Limits

Citrus Terpenes

OSHA TWA 30 ppm

Personal Protective Equipment (PPE)

Eyes: Safety glasses.

Skin: Use synthetic apron, other protective equipment as necessary to prevent skin contact.

Body: For prolonged or repeated handling, use gloves. Nitrile gloves. Rubber gloves. Neoprene gloves.

Respiratory: Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

09 Physical and Chemical Properties

Physical State	Clear liquid
Color	Light Yellow
Odor	Citrus
pH	Not applicable
Flash point	> 122°F
Explosion limits	Not available
Flammability (solid, gas)	Not available
Melting point	Not available
Boiling point	Not available
Evaporation rate (butyl acetate = 1)	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	0.89 (Water = 1)
Solubility	Gives opeque white emulsion in water
Partition coefficient n-octano/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Odor threshold	Not available
Viscosity	Kinematic (room temperature): ≤ 10 cSt (CPS)

10 Stability and Reactivity

Stability: The product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Eliminate all ignition sources.

Materials to avoid: Strong oxidizers, excess heat, sparks, open flames.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition should not be produced. When decomposition occurs, will generate CO, CO₂.

11 Toxicological Information

Product /Ingredient Name	Result	Species	Dose
Nonylphenol Ethoxylate	LD50 Oral	Rat	960-3980 mg/kg
Citrus Terpenes	LD50 Oral	Rat	5000 mg/kg
Cocamide DEA	LD50 Oral	Rat	5000 mg/kg

12 Ecological Information

N/A

13 Disposal Considerations

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information. Rags soaked with product should be disposed of properly to prevent spontaneous combustion.

14 Transport Information

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
DOT Classification	UN1993	Combustible liquid	3	III	

Note: DOT classification applies to most package sizes. For specific container size classifications or size exceptions, refer to the bill of lading with your shipment.

PG*: Packing Group

15 Regulatory Information

U.S. Federal Regulations

TSCA 8(b) inventory: All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

SARA 313	Product name	CAS number	Concentration
Form R-Reporting requirements	No listed substance		

16 Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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*Hazard Determination System (HDS):

Health	1
Reactivity	0
Flammability	2

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimum hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.