

SAFETY DATA SHEET

1. Identification

Product identifier Citrus Refill Cartridge

Other means of identification

Product code 48255

Recommended use Not available.

Recommended restrictions Take precautionary measures against static discharge.

Manufacturer/Importer/Supplier/Distributor information

Company name Georgia-Pacific Consumer Products LP

Address 133 Peachtree Street, NE
Atlanta, GA 30303

Telephone Technical Information 866.435.5647
(M)SDS Request 404.652.5119

E-mail MSDSREQ@GAPAC.com

Emergency phone number Chemtrec - Emergency 800.424.9300

2. Hazard(s) identification

Emergency overview This is a consumer care product that is safe for consumers when used according to the label directions. May cause an allergic skin reaction.

Physical hazards Not classified.

Health hazards Sensitization, skin Category 1

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 3

Hazardous to the aquatic environment, long-term hazard Category 3

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. In case of prolonged or frequently repeated contact, wear protective gloves. Avoid release to the environment.

Response If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see section 4 on the SDS).

Storage Store away from strong oxidizing agents.

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

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
BENZYL BENZOATE		120-51-4	3 - 7

Chemical name	Common name and synonyms	CAS number	%
DECANAL		112-31-2	1 - 5
LINALOOL (EX BOIS DE ROSE, SYNTHETIC)		78-70-6	1 - 5
TERPENES AND TERPENOIDS, SWEET ORANGE-OIL		68647-72-3	1 - 5
2,6-DI-TERT-BUTYL-P-CRESOL		128-37-0	0.5 - 1.5
BENZENEPROPANAL, 4-(1,1-DIMETHYLETHYL)-.ALPHA.-METHYL-		80-54-6	0.5 - 1.5
CITRAL		5392-40-5	0.5 - 1.5
LEMON OIL		8008-56-8	0.5 - 1.5
OCTANAL, 2-(PHENYLMETHYLENE)-		101-86-0	0.5 - 1.5
ORANGE OIL		8008-57-9	0.5 - 1.5
Other components below reportable levels			60 - 100

Composition comments This product is a multi-component mixture of fragrance ingredients. The specific chemical identities of the ingredients not listed herein are considered to be trade secrets by the manufacturer and are withheld in accordance with the provisions of 29 CFR 1910.1200.

4. First-aid measures

Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard. Call a physician if symptoms develop or persist. Move to fresh air.
Skin contact	Wash with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Flush eyes immediately with large amounts of water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	May cause an allergic skin reaction. Dermatitis. Rash. Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Keep individual under observation.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Provide adequate ventilation and avoid contact with skin and eyes. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS. Local authorities should be advised if significant spillages cannot be contained. Remove all sources of ignition.
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Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Contain the spill, then place in a suitable container. Collect and dispose of spillage as indicated in section 13 of the SDS. For waste disposal, see section 13 of the SDS. Prevent product from entering drains.

Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage**Precautions for safe handling**

Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. When using, do not eat, drink or smoke. Do not taste or swallow. Wear appropriate personal protective equipment. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed and dry. Store in a cool well ventilated area away from incompatible materials. Keep away from direct sunlight. Keep away from heat, sparks and open flame. Keep out of the reach of children. Store locked up. Metal containers must be lined.

8. Exposure controls/personal protection**Occupational exposure limits****US ACGIH Threshold Limit Values: Time Weighted Average (TWA): mg/m3, non-standard units**

Components	Type	Value	Form
2,6-DI-TERT-BUTYL-P-CR ESOL (CAS 128-37-0)	TWA	2 mg/m3	Inhalable fraction and vapor.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
CITRAL (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapor.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
2,6-DI-TERT-BUTYL-P-CR ESOL (CAS 128-37-0)	TWA	10 mg/m3

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines**US ACGIH Threshold Limit Values: Skin designation**

CITRAL (CAS 5392-40-5)

Can be absorbed through the skin.

Appropriate engineering controls

General ventilation normally adequate.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear safety glasses or goggles if handling large quantities.

Skin protection**Hand protection**

In case of prolonged or frequently repeated contact, wear appropriate gloves.

Other

None necessary under normal conditions of use. Wear appropriate gloves if handling large quantities.

Respiratory protection

Under normal conditions of use respiratory protection is not expected to be required.

Thermal hazards

Not applicable.

General hygiene considerations

When using, do not eat, drink or 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.

9. Physical and chemical properties**Appearance****Physical state**

Solid.

Form

Solid gel

Color

Not available.

Odor

Characteristic.

Odor threshold

Not available.

pH

Not available.

Melting point/freezing point

140 - 185 °F (60 - 85 °C)

Initial boiling point and boiling range	Not available.
Flash point	> 200.0 °F (> 93.3 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	0.01 - 0.09 mm Hg
Vapor density	Not available.
Relative density	0.9 - 0.98 g/cm3
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	> 626 °F (> 330 °C)
Decomposition temperature	> 572 °F (> 300 °C)
Viscosity	Not available.
Other information	
Flammability class	Combustible IIIB estimated

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid temperatures above 210 °C. Heat, flames and sparks. Extremes of temperature and direct sunlight.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon dioxide, carbon monoxide, and unburned hydrocarbons.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Health injuries are not known or expected under normal use.
Skin contact	May cause an allergic skin reaction.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Not applicable under normal conditions of use. May cause gastrointestinal irritation if ingested.

Symptoms related to the physical, chemical and toxicological characteristics
May cause an allergic skin reaction. Dermatitis. Rash. Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity May cause an allergic skin reaction.

Product	Species	Test Results
Citrus Refill Cartridge		
<u>Acute</u>		
Dermal		
LD50	Guinea pig	1333 ml/kg estimated
	Rabbit	37794 mg/kg, 24 hours estimated

Product	Species	Test Results
Inhalation LC50 Oral LD50	Rat	39203 mg/kg, 24 hours estimated
	Rat	4957 mg/l/4h estimated 88 mg/l, 4 hours estimated
	Cat	467 g/kg estimated
	Rat	30995 mg/kg estimated
Components	Species	Test Results
2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)		
<u>Acute</u>		
Dermal		
LD50	Rat	> 2000 mg/kg, 24 hours
Oral		
LD50	Rat	> 6000 mg/kg
BENZYL BENZOATE (CAS 120-51-4)		
<u>Acute</u>		
Oral		
LD50	Rat	> 2000 mg/kg
CITRAL (CAS 5392-40-5)		
<u>Acute</u>		
Dermal		
LD50	Rat	> 2000 mg/kg
Inhalation		
<i>Vapor</i>		
LC50	Rat	0.68 mg/l, 7 hours
Oral		
LD50	Rat	6800 mg/kg
LINALOOL (EX BOIS DE ROSE, SYNTHETIC) (CAS 78-70-6)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	2000 mg/kg
	Rat	5610 mg/kg
Oral		
LD50	Mouse	3000 mg/kg
OCTANAL, 2-(PHENYLMETHYLENE)- (CAS 101-86-0)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 3000 mg/kg
Inhalation		
LC50	Rat	> 2.12 mg/l, 4 hours
Oral		
LD50	Rat	3100 mg/kg
TERPENES AND TERPENOIDS, SWEET ORANGE-OIL (CAS 68647-72-3)		
<u>Acute</u>		
Dermal		
LD50		> 5000 mg/kg
Oral		
LD50		4400 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
ACGIH Sensitization	
CITRAL (CAS 5392-40-5)	Dermal sensitization
Respiratory sensitization	Not classified.
Skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall Evaluation of Carcinogenicity	
2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)	3 Not classifiable as to carcinogenicity to humans.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Not listed.	
Reproductive toxicity	Not classified.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not applicable.
Chronic effects	Not hazardous under normal conditions of use.

12. Ecological information

Ecotoxicity Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Product		Species	Test Results
Citrus Refill Cartridge			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Daphnia	41.9969 mg/l, 48 hours estimated
Fish	LC50	Fish	5.2059 mg/l, 96 hours estimated
Components		Species	Test Results
2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Invertebrates (Invertebrates)	0.48 mg/l, 48 hours
BENZENEPROPANAL, 4-(1,1-DIMETHYLETHYL)-.ALPHA.-METHYL- (CAS 80-54-6)			
Aquatic			
Crustacea	EC50	Daphnia	10.7 mg/L, 48 Hours
BENZYL BENZOATE (CAS 120-51-4)			
Aquatic			
<i>Acute</i>			
Fish	LC50	Fish	0.29 mg/l, 96 hours
CITRAL (CAS 5392-40-5)			
Aquatic			
<i>Acute</i>			
Fish	LC50	Fish	6.78 mg/l, 96 hours
DECANAL (CAS 112-31-2)			
Aquatic			
<i>Acute</i>			
Fish	LC50	Fish	1.45 mg/l, 96 hours

Components	Species		Test Results
LINALOOL (EX BOIS DE ROSE, SYNTHETIC) (CAS 78-70-6)			
Aquatic			
Crustacea	EC50	Daphnia	20 mg/L, 48 Hours
OCTANAL, 2-(PHENYLMETHYLENE)- (CAS 101-86-0)			
Aquatic			
Acute			
Crustacea	EC50	Daphnia	1.1 mg/l, 48 hours
TERPENES AND TERPENOID, SWEET ORANGE-OIL (CAS 68647-72-3)			
Aquatic			
Acute			
Fish	LC50	Fish	0.7 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

BENZYL BENZOATE 3.97

LINALOOL (EX BOIS DE ROSE, SYNTHETIC) 2.97

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions This product, if discarded, is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. If processing, use, or contamination alters the material, the waste must be tested using methods described in 40 CFR 261 to determine if it meets applicable definitions of hazardous wastes.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products 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).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	Yes
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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)

Not regulated.

Safe Drinking Water Act (SDWA)	Not regulated.
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US state regulations**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

US. Massachusetts RTK - Substance List

2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)

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

2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)

US. Pennsylvania Worker and Community Right-to-Know Law

2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply 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).

16. Other information, including date of preparation or last revision

Issue date	March-12-2015
Revision date	March-21-2015
Version #	02
HMIS® ratings	Health: 2 Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 1 Instability: 0

Disclaimer

This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handled, or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractors, and customers who will use the product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure of what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.