



Section 1. Product and Company Identification

Product Identifier G3819 Crazy Orange - Citrus APC

Product Use Description: Clear odorous liquid in a pressurized container for use as an all purpose automotive cleaner

Manufacturer or suppliers' details

P & S Sales, Inc
20943 Cabot Blvd.
Hayward CA 94545

Emergency Number: 800-255-3924
Customer Service: 510-732-2628
Business Fax: 510-732-2632

Section 2. Hazards Identification

GHS Classification

Flammable Aerosol : Category 1

Sensitization, Skin : Category 1

Hazardous to Aquatic Environment : Category 2

GHS Label Elements

Hazard Pictograms



Hazard Word Danger

Hazard Statements

H222: **Extremely flammable aerosol**

H317: **May cause an allergic skin reaction**

H401: **Toxic to aquatic life**

H411: **Toxic to aquatic life with long lasting effects**

Precautionary Statements

P210: **Keep away from heat/sparks/open flames/hot surfaces – No smoking**

P211: **Do not spray on an open flame or other ignition source**

P251: **Pressurized container – Do not pierce or burn, even after use**

P264: **Wash skin thoroughly after handling**

P280: **Wear protective gloves/eye and face protection**

P301+330+331: **IF SWALLOWED: Rinse mouth. Do NOT induce vomiting**

P302+352: **IF ON SKIN: Wash with soap and water**

P305+351+338: **IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing**

P332+313: **If skin irritation occurs: Get medical advice/attention**

P362: **If eye irritation persists get medical advice/attention**

P412: **Take off contaminated clothing and wash before reuse**

P501: **Do not expose to temperatures exceeding 50 °C/122 °F**



Dispose of contents/container to an approved waste disposal plant.

3. Composition Information on Ingredients

CAS Number	Wt %	Component Name
94266-47-4	2.5 - 10%	Citrus Terpenes
106-97-8	2.5 - 10%	n-Butane
74-98-6	1 - 2.5%	Propane

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

4. First Aid Measures

Eye Contact:

If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

Skin Contact:

In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Inhalation:

If overcome by vapor, remove victim to fresh air and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen, if available.

Ingestion:

If ingested, DO NOT induce vomiting; call a physician immediately.

5. Fire Fighting Measures

EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES

Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

Use dry chemical, foam or carbon dioxide to extinguish the fire. "Water may be ineffective", but water should be used to keep fire-exposed containers cool. If a leak or spill has ignited, use water spray to disperse the vapors and to protect persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

6. Accidental Release Measures



STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Assure conformity with applicable governmental regulations. Continue to observe precautions for volatile, combustible vapors from absorbed material.

7. Handling and Storage

Handling: Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other ignition source. Use only in areas with adequate ventilation. Do not use if spray button is missing or defective. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure.

Storage: Level 1 aerosol Contents under pressure. Do not puncture, incinerate or crush. Pressure in sealed containers can increase under the influence of heat. Avoid exposure to long periods of sunlight. Keep in an area with sprinklers. Keep out of reach of children. Use care in handling and storage.

8. Exposure Controls and Personal Protection

94266-47-4 Citrus Terpenes	None Listed
106-97-8 n-Butane	1000 ppm TWA
74-98-6 Propane	1800 mg/m3 1000 ppm PEL
	1800 mg/m3 1000 ppm TWA

Ventilation:

Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. No smoking, or use of flame or other ignition sources.

Respiratory Protection:

If the exposure limit is exceeded and engineering controls are not feasible, wear a supplied air, full-facepiece respirator, airlined hood, or full-facepiece self-contained breathing apparatus. Breathing air quality must meet the requirements of the OSHA respiratory protection standard (29CFR1910.134).

Protective Gloves:

Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Eye Protection:

Use splash goggles or face shield when eye contact may occur.

Work Practices:

To prevent fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system in accordance with (THE) National Fire Protection Association PUBLICATIONS.

9. Physical and Chemical Properties

Flash Point <156°F	Upper Flamability Limit	9.5% estimate
Auto Ignition unknown	Lower Flamability Limit	1.9% estimate
Physical State Gas	Color colorless	Vapor Press 25.58 psig



pH Not Avail. **Specific Gravity** .95 **Viscosity** Not Available
Vapor Density (Air=1) unknown **Melting Point °F** unknown **Odor** Citrus
Water Solubility Not Available **VOC Content** Not Listed

10. Stability and Reactivity

Stability Stable **Hazardous Polymerization** Not Expected to Occur
Conditions to Avoid Heat, flames and sparks
Hazardous Decomposition Products May include Oxides of Nitrogen

11. Toxicological Information

Information on likely routes of exposure

Ingestion Expected to be a low ingestion hazard.

Inhalation No adverse effects due to inhalation are expected.

Skin contact May cause an allergic skin reaction.

Eye contact Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Dermatitis. Rash. Direct contact with eyes may cause temporary irritation. May cause an allergic skin reaction.

Information on toxicological effects

Acute toxicity May cause an allergic skin reaction. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Skin corrosion/irritation Not applicable. Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not available.

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.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity

Specific target organ toxicity - single exposure This product is not expected to cause reproductive or developmental effects.

12. Ecological Information

Aquatic

Crustacea EC50 8421 mg/L, 48 Hours

Daphnia Fish LC50 Fish 4337 mg/L, 96 Hours

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)

Butane 2.89

Propane 2.36

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



Dispose of all waste and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations. Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts. The materials resulting from clean-up operations may be hazardous wastes and therefore, subject to specific regulations. Use only licensed transporters and permitted facilities for waste disposal.

14. Transportation Information

DOT - UN1950, aerosols flammable, 2.1

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

IATA - UN1950, aerosols flammable, 2.1

Passenger and cargo aircraft - Allowed

Cargo aircraft only - Allowed

Packaging Exceptions LTD QTY

IMDG - UN1950, aerosols flammable, 2.1

Marine Pollutant, yes EmS F-D, S-U

Packaging Exceptions LTD QTY

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 - Yes

Pressure Hazard - Yes

Reactivity Hazard - No

SARA 302 Extremely hazardous substance - Not listed.

SARA 311/312 Hazardous - No chemical

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)

Butane (CAS 106-97-8) Propane (CAS 74-98-6)

Safe Drinking Water Act - Not regulated. (SDWA)

US state regulations



US. Massachusetts RTK - Substance List
Butane (CAS 106-97-8) Propane (CAS 74-98-6)

US. New Jersey Worker and Community Right-to-Know Act
Butane (CAS 106-97-8) Propane (CAS 74-98-6)

US. Pennsylvania Worker and Community Right-to-Know Act
Butane (CAS 106-97-8) Propane (CAS 74-98-6)

US. Rhode Island RTK
Butane (CAS 106-97-8) Propane (CAS 74-98-6)

16. Other Information **Revision Date** 3/6/2018

Dispose of all waste and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations. Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts. The materials resulting from clean-up operations may be hazardous wastes and therefore, subject to specific regulations. Use only licensed transporters and permitted facilities for waste disposal.

Key or legend to abbreviations and acronyms used in the safety data sheet

- ACGIH American Conference of Government Industrial Hygienists
- LD50 Lethal Dose 50%
- AICS Australia, Inventory of Chemical Substances
- LOAEL Lowest Observed Adverse Effect Level
- DSL Canada, Domestic Substances List
- NFPA National Fire Protection Agency
- NDSL Canada, Non-Domestic Substances List
- NIOSH National Institute for Occupational Safety & Health
- CNS Central Nervous System
- NTP National Toxicology Program
- CAS Chemical Abstract Service
- NZIoC New Zealand Inventory of Chemicals
- EC50 Effective Concentration
- NOAEL No Observable Adverse Effect Level
- EC50 Effective Concentration 50%
- NOEC No Observed Effect Concentration
- EGEST EOSCA Generic Exposure Scenario Tool
- OSHA Occupational Safety & Health Administration
- EOSCA European Oilfield Specialty Chemicals Association
- PEL Permissible Exposure Limit
- EINECS European Inventory of Existing Chemical Substances
- PICCS Philippines Inventory of Commercial Chemical Substances
- MAK Germany Maximum Concentration Values
- PRNT Presumed Not Toxic
- GHS Globally Harmonized System
- RCRA Resource Conservation Recovery Act
- >= Greater Than or Equal To
- STEL Short-term Exposure Limit
- IC50 Inhibition Concentration 50%



SARA Superfund Amendments and Reauthorization Act.

IARC International Agency for Research on Cancer

TLV Threshold Limit Value

IECSC Inventory of Existing Chemical Substances in China

TWA Time Weighted Average

ENCS Japan, Inventory of Existing and New Chemical Substances

TSCA Toxic Substance Control Act

KECI Korea, Existing Chemical Inventory

UVCB Unknown or Variable Composition, Complex Reaction Products, and Biological Materials

<= Less Than or Equal To

WHMIS Workplace Hazardous Materials Information System

LC50 Lethal Concentration 50%