



SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier: ORANGE CITRUS CRAZY CLEAN

Other means of identification

SDS number: RE1000007495

Recommended restrictions

Recommended use: Cleaner

Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name: Sprayway, Inc.
Address: 1000 INTEGRAM DR.
Pacific, MO 63069
US
Telephone: 260-482-8615

Emergency telephone number: 1-866-836-8855

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable aerosol Category 1

Health Hazards

Serious Eye Damage/Eye Irritation Category 2A
Skin sensitizer Category 1

Environmental Hazards

Acute hazards to the aquatic environment Category 2

Label Elements

Hazard Symbol:



Signal Word: Danger

Hazard Statement: Extremely flammable aerosol.
Causes serious eye irritation.
May cause an allergic skin reaction.
Toxic to aquatic life.



Precautionary Statements

- Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.
- Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see on this label). Wash contaminated clothing before reuse.
- Storage:** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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

3. Composition/information on ingredients

Mixtures

| Chemical Identity | CAS number | Content in percent (%)* |
|---|------------|-------------------------|
| Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- | 5989-27-5 | 1 - <5% |
| Propane | 74-98-6 | 1 - <5% |
| Butane | 106-97-8 | 1 - <5% |
| Alcohols, C9-11, ethoxylated | 68439-46-3 | 1 - <3% |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

- Inhalation:** Move to fresh air.
- Skin Contact:** If skin irritation occurs: Get medical advice/attention. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.
- Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
- Ingestion:** Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.



Personal Protection for First-aid Responders: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Get medical attention if symptoms occur.

5. Fire-fighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Vapors may travel considerable distance to a source of ignition and flash back.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Accidental release measures: Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

Methods and material for containment and cleaning up: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.



7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): No data available.

Safe handling advice: Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use. Avoid contact with eyes, skin, and clothing.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Aerosol Level 1

Safe packaging materials: No data available.

Storage Temperature: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

| Chemical Identity | Type | Exposure Limit Values | Source |
|--|------|-----------------------|---|
| Propane | REL | 1,000 ppm 1,800 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards, as amended |
| | PEL | 1,000 ppm 1,800 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended |
| | TWA | 1,000 ppm 1,800 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended |
| Butane | REL | 800 ppm 1,900 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards, as amended |
| | STEL | 1,000 ppm | US. ACGIH Threshold Limit Values, as amended |
| | TWA | 800 ppm 1,900 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended |
| 1,2,3-Propanetriol - Respirable fraction. | TWA | 5 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended |
| 1,2,3-Propanetriol - Total dust. | PEL | 15 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended |
| | TWA | 10 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended |
| 1,2,3-Propanetriol - Respirable fraction. | PEL | 5 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended |
| Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl- | TWA | 20 ppm | US. ACGIH Threshold Limit Values, as amended |
| Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- | TWA | 20 ppm | US. ACGIH Threshold Limit Values, as amended |

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection: No data available.



| | |
|----------------------------------|--|
| Skin and Body Protection: | Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information. |
| Respiratory Protection: | In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor. |
| Hygiene measures: | Avoid contact with eyes. Observe good industrial hygiene practices. When using do not smoke. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin. |

9. Physical and chemical properties

Appearance

| | |
|---|--|
| Physical state: | liquid |
| Form: | Spray Aerosol |
| Color: | No data available. |
| Odor: | No data available. |
| Odor Threshold: | No data available. |
| pH: | No data available. |
| Freezing point: | No data available. |
| Boiling Point: | No data available. |
| Flash Point: | Estimated -104 °C |
| Evaporation Rate: | No data available. |
| Flammability (solid, gas): | No data available. |
| Explosive limit - upper (%): | Estimated 9.5 %(V) |
| Explosive limit - lower (%): | Estimated 1.9 %(V) |
| Vapor pressure: | 3,792 - 5,171 hPa (20 °C) 7,584 - 9,652 hPa (54 °C) |
| Vapor density (air=1): | No data available. |
| Density: | No data available. |
| Relative density: | No data available. |
| Solubility in Water: | No data available. |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |
| Self Ignition Temperature: | No data available. |
| Decomposition Temperature: | No data available. |
| Kinematic viscosity: | No data available. |
| Dynamic viscosity: | No data available. |
| Explosive properties: | No data available. |
| Oxidizing properties: | No data available. |

10. Stability and reactivity

| | |
|--|---|
| Reactivity: | No data available. |
| Chemical Stability: | Material is stable under normal conditions. |
| Possibility of hazardous reactions: | No data available. |
| Conditions to avoid: | Avoid heat or contamination. |



Incompatible Materials: No data available.

Hazardous Decomposition Products: No data available.

11. Toxicological information

Information on likely routes of exposure

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 23,148.15 mg/kg

Dermal

Product: ATEmix: 177,564.1 mg/kg

Inhalation

Product: Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Components:

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-
Propane
NOAEL (Rat(Male), Oral, 13 Weeks): 600 mg/kg Oral Experimental result, Key study
NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study

LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study

Butane
LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study

NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study

Alcohols, C9-11, ethoxylated
NOAEL (Rat(Female, Male), Oral, 90 d): >= 500 mg/kg Oral Read-across based on grouping of substances (category approach), Key study

Skin Corrosion/Irritation

Product: No data available.



Components:

Cyclohexene, 1-methyl- 4-(1-methylethenyl)-, (4R)- in vivo (Rabbit): Not irritant
Alcohols, C9-11, ethoxylated in vivo (Rabbit): Not irritant

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Cyclohexene, 1-methyl- 4-(1-methylethenyl)-, (4R)- Rabbit, 24 - 72 hrs: Not irritating

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.



Components:

| | |
|---|--|
| Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- | EC 50 (Pimephales promelas, 96 h): 688 µg/l Experimental result, Key study |
| Propane | LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study |
| Butane | LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study |

Aquatic Invertebrates

Product: No data available.

Components:

| | |
|---|---|
| Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- | EC 50 (Daphnia magna, 48 h): 0.36 mg/l Experimental result, Key study NOAEL (Daphnia magna, 48 h): 0.074 mg/l Experimental result, Key study |
| Butane | LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study |

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

| | |
|------------------------------|--|
| Alcohols, C9-11, ethoxylated | NOAEL (Pimephales promelas): 0.16 mg/l Read-across based on grouping of substances (category approach), Weight of Evidence study |
|------------------------------|--|

Aquatic Invertebrates

Product: No data available.

Components:

| | |
|---|---|
| Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- | NOAEL (Freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex): 0.115 mg/l QSAR QSAR, Weight of Evidence study |
| Alcohols, C9-11, ethoxylated | NOAEL (Daphnia magna): 1.75 mg/l Read-across based on grouping of substances (category approach), Weight of Evidence study |

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Components:

| | |
|---|--|
| Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- | 80 % (28 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Key study |
| Propane | 100 % (385.5 h) Detected in water. Experimental result, Key study 50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study |
| Butane | 100 % (385.5 h) Detected in water. Experimental result, Key study |
| Alcohols, C9-11, ethoxylated | 100 % (28 d) Detected in water. Read-across based on grouping of substances (category approach), Weight of Evidence study |

BOD/COD Ratio

Product: No data available.



Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- Bioconcentration Factor (BCF): 864.8 Aquatic sediment QSAR, Key study

Alcohols, C9-11, ethoxylated Pimephales promelas, Bioconcentration Factor (BCF): 237 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Key study

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Components:

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- Log Kow: 4.34 - 4.46 25 °C No Experimental result, Supporting study

Alcohols, C9-11, ethoxylated Log Kow: 3.3 - 3.73 Yes QSAR, Weight of Evidence study

Mobility in soil: No data available.

Components:

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- No data available.
Propane No data available.
Butane No data available.
Alcohols, C9-11, ethoxylated No data available.

Other adverse effects: Toxic to aquatic organisms.

13. Disposal considerations

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging: No data available.

14. Transport information

DOT

UN Number: UN 1950
UN Proper Shipping Name: Aerosols, flammable
Transport Hazard Class(es)
Class: 2.1
Label(s): -
EmS No.: -
Packing Group: -
Special precautions for user: Not regulated.

IATA

UN Number: UN 1950
UN Proper Shipping Name: Aerosols, flammable
Transport Hazard Class(es):
Class: 2.1
Label(s): -
Packing Group: -
Special precautions for user: Not regulated.
Other information
Passenger and cargo aircraft: Allowed. 203
Cargo aircraft only: Allowed. 203



IMDG

| | |
|-------------------------------|---------------------|
| UN Number: | UN 1950 |
| UN Proper Shipping Name: | Aerosols, flammable |
| Transport Hazard Class(es) | |
| Class: | 2.1 |
| Label(s): | – |
| EmS No.: | |
| Packing Group: | – |
| Special precautions for user: | Not regulated. |

15. Regulatory information

US Federal Regulations

Restrictions on use: Not known.

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

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity

UNLISTED HAZARDOUS WASTES CHARACTERISTIC OF IGNITABILITY
RCRA HAZARDOUS WASTE NO. D001

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Flammable (gases, aerosols, liquids, or solids), Serious eye damage or eye irritation, Respiratory or Skin Sensitization

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

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

Chemical Identity

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-
Propane
Butane

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Propane
Butane



US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

Inventory Status:

| | |
|---|--|
| Australia AICS | Not in compliance with the inventory. |
| Canada DSL Inventory List | On or in compliance with the inventory |
| Canada NDSL Inventory | Not in compliance with the inventory. |
| Ontario Inventory | Not in compliance with the inventory. |
| China Inv. Existing Chemical Substances | On or in compliance with the inventory |
| Japan (ENCS) List | Not in compliance with the inventory. |
| Japan ISHL Listing | Not in compliance with the inventory. |
| Japan Pharmacopoeia Listing | Not in compliance with the inventory. |
| Korea Existing Chemicals Inv. (KECI) | Not in compliance with the inventory. |
| Mexico INSQ | Not in compliance with the inventory. |
| New Zealand Inventory of Chemicals | Not in compliance with the inventory. |
| Philippines PICCS | Not in compliance with the inventory. |
| Taiwan Chemical Substance Inventory | Not in compliance with the inventory. |
| US TSCA Inventory | On or in compliance with the inventory |
| EINECS, ELINCS or NLP | Not in compliance with the inventory. |

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

Issue Date: 04/28/2021

Revision Information: No data available.

Version #: 2.0

Further Information: No data available.

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.