

# SAFETY DATA SHEET

## 1. IDENTIFICATION

Product Name: Reliable Brand Multipurpose Citrus Cleaner Degreaser  
Product Number: V00557  
Company Information: Veritiv Operating Company  
1000 Abernathy Rd NE, Suite 1700  
Atlanta, GA 30328 United States  
Company Phone: (844) 837-4848  
Emergency Telephone US: (866) 836-8855  
Emergency Telephone Outside US: (952) 852-4646  
Version: 01  
Recommended Use: Cleaner  
Recommended Restrictions: DO NOT USE IN A MANNER INCONSISTENT WITH THE LABEL

## 2. HAZARD IDENTIFICATION

Physical Hazards Flammable aerosols Category 1  
Health Hazards Sensitization, Skin Category 1

Label Elements



Signal Word: Danger  
Hazard Statement: Extremely flammable aerosol. May cause an allergic skin reaction.  
Precautionary Statement:  
Precautions: Keep away from heat/sparks/open flames/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. Avoid breathing gas. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.  
Response: If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.  
Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.  
Supplemental Information: None  
Hazard(s) not otherwise classified (HNOC): None Known

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT(S)	CAS NUMBER	WEIGHT%
Citrus Terpenes	94266-47-4	2.5 – 10
Propane	74-98-6	2.5 – 10
Butane	106-97-8	1 – 2.5

Other components below reportable levels 90 – 100  
EXACT PERCENTAGES ARE BEING WITHHELD AS TRADE SECRET INFORMATION

## 4. FIRST-AID MEASURES

Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact:	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention
Eye Contact:	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion:	Rinse mouth. Get medical attention if symptoms occur.
Most Important Symptoms/Effects:	May cause an allergic skin reaction. Dermatitis. Rash.
NOTE TO PHYSICIAN:	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Alcohol resistant foam. Water fog. Carbon Dioxide (CO <sub>2</sub> ). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from the chemical:	Contents under pressure. Pressurized container may explode when exposed to heat or flame. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water.
Special Protective Equipment And Precautions for Firefighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire-Fighting Equipment/Instructions:	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
Specific Methods:	Cool containers exposed to flames with water until well after the fire is out.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Environmental Precautions:	Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.
Clean-Up Methods:	Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

## 7. HANDLING AND STORAGE

**Handling:** Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid contact with eyes. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Storage:** Level 1 Aerosol. Contents under pressure. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

#### US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value
Propane (CAS 74-98-6)	PEL	1800 mg/m <sup>3</sup> 1000 ppm

#### US ACGIH Threshold Limit Values

Component	Type	Value
Propane (CAS 74-98-6)	STEL	1000 ppm

#### US NIOSH: Pocket Guide to Chemical Hazards Components

Component	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m <sup>3</sup> 800 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m <sup>3</sup> 1000 ppm

**Engineering Controls:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

### Personal Protective Equipment:

**Eyes:** Not required for normal use. If contact is likely, safety glasses with side shields are recommended.

**Hands:** Wear appropriate chemical resistant gloves.

**Respiratory:** None required for normal use. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Feet:** Wear suitable protective clothing.

**Body:** Wear suitable protective clothing.

**General Hygiene Considerations:** When using, do not 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	Liquefied gas.
Form	Aerosol.
Color	White
Odor	Citrus
Odor Threshold	Not Available
pH	9.4 – 10.4
Melting point/Freezing point	Not Available
Initial boiling point and boiling range	Not Available
Flash Point	-156.0°F (-104.4°C) Propellant estimated
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	55 – 75 psig @70°F
Vapor Density	Not Available
Relative Density	Not Available
Solubility (Water)	Not Available
Partition Coefficient	Not Available
Auto-Ignition Temperature	Not Available
Decomposition Temperature	Not Available
Viscosity	Not Available
Specific Gravity	0.998

## 10. STABILITY AND REACTIVITY

Chemical Stability	Material is stable under normal conditions.
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Possibility of Hazardous Reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	No hazardous decomposition products are known.

## 11. TOXICOLOGICAL INFORMATION

Information of Routes of Exposure:	No LC50/LD50 Test Data on Mixture Available
Acute Effects/Symptoms:	
Eyes:	Direct contact with eyes may cause temporary irritation.
Skin:	May cause an allergic skin reaction.
Ingestion:	Expected to be a low ingestion hazard.
Inhalation:	No adverse effects due to inhalation are expected.
Carcinogens:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Germ Cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Respiratory Sensitizer:	This product is not expected to cause respiratory sensitization.
Skin Sensitizer:	May cause an allergic skin reaction.
Reproductive Toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific Target Organs (Single/Repeated):	Not classified.
Aspiration Hazard:	Not likely, due to the form of the product.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity/Chemical Fate: Not Test Data on Mixture Available

## 13. DISPOSAL CONSIDERATION

Disposal Method: Dispose of contents in accordance with all federal, state, and local applicable laws and regulations. Consult state and local authorities for restrictions on disposal of chemical waste. Manage chemical wastes through an approved waste treatment facility. Pressurized container: Do not pierce or burn, even after use. Do not incinerate. When contents are depleted continue to depress button until all gas is expelled. Aerosol cylinder is not refillable. Give to a disposal service equipped to safely dispose of pressurized containers. Please recycle packaging whenever possible.

## 14. TRANSPORTATION INFORMATION

DOT/IMDG/TDG UN1950, Aerosols, flammable, 2.1, 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. All components are on the US EPA TSCA Inventory List.

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 Reauthorized 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 Chemical  
No

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 (SDWA)  
Not Regulated.

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 Law

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

## 16. OTHER INFORMATION

Issue Date: 03-30-2016

Version: 01

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.