




# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	1244	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	ORANGE AID	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	All-Purpose Aerosol Emulsion Degreaser & Cleaner	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Flammable aerosols: Category 1 Sensitization, skin: Category 1 Hazardous to the aquatic environment, acute hazard: Category 2 Hazardous to the aquatic environment, long-term hazard: Category 2 <b>OSHA defined hazards:</b> Not classified.	<b>SIGNAL WORD:</b> <b>DANGER</b>	<b>SYMBOL:</b>	
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### HAZARD STATEMENTS:

Extremely flammable aerosol. May cause an allergic skin reaction. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

### PRECAUTIONARY STATEMENTS:

**Prevention:** 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. Avoid release to the environment. Wear protective gloves.  
**Response:** If on skin: Wash with plenty of water. Specific treatment (see this label). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Collect spillage.  
**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.

### HAZARDS NOT OTHERWISE SPECIFIED:

None known.

### SUPPLEMENTAL INFORMATION:

None.

## 3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	% BY 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

#: This substance has workplace exposure limit(s).

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First Aid Measures

### EMERGENCY OVERVIEW

**GENERAL:** 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. Wash contaminated clothing before reuse.

**EYES:** Rinse with water. Get medical attention, if irritation develops and persists.

**SKIN:** In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

### INHALATION:

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or Poison Control Center immediately. Call a physician, if symptoms develop or persist.

### INGESTION:

In the unlikely event of swallowing, contact a physician or poison control center. Rinse mouth.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Dermatitis. Rash. May cause an allergic skin reaction.

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

### UNSUITABLE FIRE 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.

### SPECIFIC FIRE-FIGHTING METHODS:

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

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:**

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

**GENERAL FIRE HAZARDS:**

EXTREMELY FLAMMABLE AEROSOL.

**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. Avoid breathing gas. 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 AND 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. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. 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. Scoop up used absorbent into drums or other appropriate container. For waste disposal, see Section 13 of the SDS. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage, if safe to do so. Avoid discharge into drains, watercourses or onto the ground.

**7. Handling and Storage**

**SAFE HANDLING:**

Eliminate all sources of ignition. Will ignite if exposed to intensive heat or open air. Vapors may form explosive mixtures with air. 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. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Do not use in areas without adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

**SAFE STORAGE & INCOMPATIBILITIES:**

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerate, or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in original tightly closed container. Store in a well-ventilated place. Refrigeration recommended. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B).

**8. Exposure Controls / Personal Protection**

**Occupational exposure limits**

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

COMPONENTS	TYPE	VALUE
Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm

**US. ACGIH Threshold Limit Values**

COMPONENTS	TYPE	VALUE
Butane (CAS 106-97-8)	STEL	1000 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

COMPONENTS	TYPE	VALUE
Butane (CAS 106-97-8)	TWA	1900 mg/m3 800 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3 1000 ppm

**BIOLOGICAL LIMIT VALUE:**

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

**ENGINEERING CONTROLS:**

Ensure adequate ventilation, especially in confined areas.

**INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:**



**EYE PROTECTION:** Face shield is recommended. Wear safety glasses with side shields (or goggles).

**SKIN PROTECTION:** Wear appropriate chemical resistant gloves. Avoid contact with the skin. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**RESPIRATORY PROTECTION:** If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

**THERMAL HAZARDS:** Wear appropriate thermal protective clothing, when necessary.

**GENERAL HYGIENE CONSIDERATIONS:** When using, do not smoke. Avoid contact with eyes. Avoid contact with skin. 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. Contaminated work clothing should not be allowed out of the workplace.

9. Physical & Chemical Properties			
<b>Appearance:</b>		<b>Flammability(solid/gas):</b>	Not available.
<b>Physical State:</b>	Gas.	<b>Flammability Limit-lower (%)</b>	1.9 % estimated
<b>Form:</b>	Aerosol.	<b>Flammability Limit-upper (%)</b>	9.5 % estimated
<b>Color:</b>	Not available.	<b>Explosive Limit – lower (%)</b>	Not available.
<b>Odor:</b>	Not available.	<b>Explosive Limit – upper (%)</b>	Not available.
<b>Odor Threshold:</b>	Not available.	<b>Vapor Pressure:</b>	25.58 psig @70°F estimated
<b>pH:</b>	Not available.	<b>Vapor Density:</b>	Not available.
<b>Melting/Freezing Point:</b>	Not available.	<b>Relative Density:</b>	Not available.
<b>Initial Boiling Point/Range:</b>	212°F (100°C) estimated	<b>Solubility (water):</b>	Not available.
<b>Partition Coeff (n-octanol/water):</b>	Not available.	<b>Auto-Ignition Temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.	<b>Decomposition Temperature:</b>	Not available.
<b>Specific Gravity:</b>	0.95 estimated	<b>Flash Point:</b>	-156.0°F (-104.4°C) Propellant estimated
<b>Evaporation Rate:</b>	Not available.		

10. Stability & Reactivity Information	
<b>REACTIVITY:</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>CHEMICAL STABILITY:</b>	Risk of ignition.
<b>POSSIBILITY OF HAZARDOUS REACTIONS:</b>	Hazardous polymerization does not occur.
<b>INCOMPATIBLE MATERIALS:</b>	Oxygen.
<b>CONDITIONS TO AVOID:</b>	Exposure to air. Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>DECOMPOSITION PRODUCTS:</b>	No hazardous decomposition products are known.

11. Toxicological Information		
<b>PRIMARY ROUTE OF ENTRY:</b>		
<b>EYES:</b> Direct contact with eyes may cause temporary irritation.		
<b>SKIN:</b> May cause an allergic skin reaction.		
<b>INHALATION:</b> No adverse effects due to inhalation are expected.		
<b>INGESTION:</b> Expected to be a low ingestion hazard.		
<b>SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:</b>		
Dermatitis. Rash. Direct contact with eyes may cause temporary irritation. May cause an allergic skin reaction.		
<b>ACUTE TOXICITY:</b>		
May cause an allergic skin reaction. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.		
<b>PRODUCT</b>	<b>SPECIES</b>	<b>TEST RESULTS</b>
ORANGE AID (CAS Mixture)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	41361 mg/kg
<i>Inhalation</i>		
LC50	Rat	13160 mg/l/4h
<b>COMPONENTS</b>	<b>SPECIES</b>	<b>TEST RESULTS</b>
Butane (CAS 106-97-8)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Mouse	1237 mg/l, 120 Minutes
	Rat	52 %, 120 Minutes
		1355 mg/l
Propane (CAS 74-98-6)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Mouse	1237 mg/l, 120 Minutes
		52 %, 120 Minutes
	Rat	1355 mg/l
		658 mg/l/4h
* Estimates for product may be based on additional component data not shown.		
<b>SKIN CORROSION/IRRITATION:</b>		
Not applicable. Prolonged skin contact may cause temporary irritation.		
<b>SERIOUS EYE DAMAGE/IRRITATION:</b>		
Direct contact with eyes may cause temporary irritation.		
<b>RESPIRATORY SENSITIZATION:</b>		
Not available.		
<b>SKIN SENSITIZATION:</b>		
May cause an allergic skin reaction.		
<b>GERM CELL MUTAGENICITY:</b>		
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:**

This product is not expected to cause reproductive or developmental effects.

**SPECIFIC TARGET ORGAN TOXICITY (single exposure):**

Not classified.

**SPECIFIC TARGET ORGAN TOXICITY (repeated exposures):**

Not classified.

**ASPIRATION HAZARD:**

Not likely, due to the form of the product.

**12. Ecological Information****ECOTOXICITY:**

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

PRODUCT	SPECIES	TEST RESULTS
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19 OZ ORANGE AID LB 12PK (CAS Mixture)

**Aquatic**

Crustacea	EC50	Daphnia	8421 mg/L, 48 Hours
Fish	LC50	Fish	4337 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)**

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 Consideration****DISPOSAL INSTRUCTIONS:**

Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush.

Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.

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

**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. Do not reuse empty containers.

**14. Transportation Information**

**DOT:** UN NUMBER: UN1950

**UN PROPER SHIPPING NAME:** Aerosols, flammable

**TRANSPORT HAZARD CLASS(ES)**

Class: 2.1

Subsidiary Risk: -

Label(s): 2.1

**PACKING GROUP:** Not applicable.

**SPECIAL PRECAUTIONS FOR USER:** Read safety instructions, SDS and emergency procedures before handling.

**SPECIAL PROVISIONS:** N82

**PACKAGING EXCEPTIONS:** 306

**PACKAGING NON BULK:** None

**PACKAGING BULK:** None

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:** UN NUMBER: UN1950

**UN PROPER SHIPPING NAME:** Aerosols, flammable

**TRANSPORT HAZARD CLASS(ES)**

Class: 2.1

Subsidiary Risk: -

Label(s): 2.1

**PACKING GROUP:** Not applicable.



**ENVIRONMENTAL HAZARDS:** Yes

**ERG CODE:** 10L

**SPECIAL PRECAUTIONS FOR USER:** Read safety instructions, SDS and emergency procedures before handling.

**OTHER INFORMATION:**

**PASSENGER AND CARGO AIRCRAFT:** Allowed.

**CARGO AIRCRAFT ONLY:** Allowed.

**PACKAGING EXCEPTIONS:** LTD QTY

**IMDG:** **UN NUMBER:** UN1950

**UN PROPER SHIPPING NAME:** AEROSOLS

**TRANSPORT HAZARD CLASS(ES)**

**Class:** 2.1

**Subsidiary Risk:** -

**Label(s):** 2.1

**PACKING GROUP:** Not applicable.

**ENVIRONMENTAL HAZARDS:**

**Marine pollutant:** Yes

**EmS:** F-D, S-U

**SPECIAL PRECAUTIONS FOR USER:** Read safety instructions, SDS and emergency procedures before handling.

**PACKAGING EXCEPTIONS:** LTD QTY

**TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 and the IBC CODE:**

Not applicable.



## 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 U.S. EPA TSCA Inventory List.

**CERCLA/SARA Hazardous Substances:**

Not applicable.

**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 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

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**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**

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.

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	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

**N/A = Not Applicable; N/D = Not Determined**

**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or 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 hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.