



SAFETY DATA SHEET

1. Product and Company Identification

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

2. Hazards Identification

| | | | | |
|--|-------------------------------|----------------|---|---|
| GHS CLASSIFICATION: Flammable aerosols: Category 1 Sensitization, skin: Category 1 OSHA defined hazards: Not classified. | SIGNAL WORD: DANGER | SYMBOL: |  |  |
|--|-------------------------------|----------------|---|---|

HAZARD STATEMENTS:

Extremely flammable aerosol. May cause an allergic skin reaction.

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. 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.

ENVIRONMENTAL HAZARDS:

Hazardous to the aquatic environment, acute hazard: Category 2

Hazardous to the aquatic environment, long-term hazard: Category 2

HAZARDS NOT OTHERWISE SPECIFIED:

None known.

SUPPLEMENTAL INFORMATION:

None.

3. Composition / Information on Ingredients

| Chemical Name | CAS | Concentration % by Weight |
|--|-----------|---------------------------|
| d-Limonene | 5989-27-5 | 2.5 - 10 |
| Propane | 74-98-6 | 2.5 - 10 |
| Butane | 106-97-8 | 1 - 2.5 |
| Other components below reportable levels | | 90 - 100 |

*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. 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:

Move to fresh air. Call a physician if symptoms develop or persist.

INGESTION:

Rinse mouth. Get medical attention if symptoms occur.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

May cause an allergic skin reaction. Dermatitis. Rash.

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:

Not available.

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. During fire, gases hazardous to health may be formed.

SPECIFIC FIRE-FIGHTING METHODS:

Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion, do not breathe fumes. 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.

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. Wear appropriate protective equipment and clothing during cleanup. 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:

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, water courses or onto the ground.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Refer to attached safety data sheets and/or instructions for use. 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. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. 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**SAFE HANDLING:**

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 reuse empty containers. Avoid breathing gas. Avoid contact with eyes, skin and clothing. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

SAFE STORAGE & INCOMPATIBILITIES:

Level 1 Aerosol.

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 away from incompatible materials (See Section 10 of the SDS).

8. Exposure Controls / Personal Protection**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components | Type | Value |
|-----------------------|------|------------------------------------|
| Propane (CAS 74-98-6) | PEL | 1800 mg/m ³ 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/m ³ 800 ppm |
| Propane (CAS 74-98-6) | TWA | 1800 mg/m ³ 1000 ppm |

BIOLOGICAL LIMIT VALUES

No biological exposure limits noted for the ingredient(s)

PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face Protection: Face shield is recommended. Wear safety glasses with side shields (or goggles).

Skin Protection: Hand Protection: Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Other: 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. 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.

APPROPRIATE 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.

9. Physical & Chemical Properties

| | | | |
|-------------------------------------|---|--|-------------------------------|
| Physical State: | Gas. | Flammability(solid/gas): | Not available. |
| Form: | Aerosol. | Flammability Limit-lower (%): | 0.8% estimated. |
| Color: | Not available. | Flammability Limit-upper (%): | 6.3% estimated. |
| Odor: | Not available. | Explosive Limit-Lower (%): | Not available. |
| Odor Threshold: | Not available. | Explosive Limit-Upper (%): | Not available. |
| pH: | Not available. | Vapor Density: | Not available. |
| Melting/Freezing Point: | Not available. | Vapor Pressure: | 55 - 75 psig @20°C estimated. |
| Initial Boiling Point/Range: | 212°F (100°C) estimated. | Relative Density: | Not available. |
| Viscosity: | Not available. | Solubility (water): | Not available. |
| Flash Point: | -156.0°F (-104.4°C) Propellant estimated. | Auto-Ignition Temp: | Not available. |
| Specific Gravity: | 0.99 estimated. | Decomposition Temp: | Not available. |
| Evaporation Rate: | Not available. | Partition Coeff(n-octanol/water): | Not available. |
| Explosive Properties: | Not explosive. | Oxidizing Properties | Not oxidizing. |

10. Stability & Reactivity Information**REACTIVITY:**

The product is stable and nonreactive under normal conditions of use, storage and transport.

CHEMICAL STABILITY:

Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous polymerization does not occur.

CONDITIONS TO AVOID:

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

No hazardous decomposition products are known.

11. Toxicological Information**PRIMARY ROUTE OF ENTRY:**

Eyes: Direct contact with eyes may cause temporary irritation.

Skin: May cause an allergic skin reaction.

Inhalation: No adverse effects due to inhalation are expected.

Ingestion: Expected to be a low ingestion hazard.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

May cause an allergic skin reaction. Dermatitis. Rash.

ACUTE TOXICITY:

May cause an allergic skin reaction.

| Components | Species | Test Results |
|-----------------------------------|---------|--|
| Butane (CAS 106-97-8) | | |
| Acute | | |
| <i>Inhalation</i> | | |
| LC50 | Mouse | 1237 mg/l, 120 Minutes |
| | Rat | 52%, 120 Minutes 1355 mg/l |
| d-Limonene (CAS 5989-27-5) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Rat | >2000 mg/kg |
| Propane (CAS 74-98-6) | | |
| Acute | | |
| <i>Inhalation</i> | | |
| LC50 | Mouse | 1237 mg/l, 120 Minutes |
| | Rat | 52%, 120 Minutes 1355 mg/l 658 mg/l/4h |

* 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 SENSITIZATION:

Not a respiratory sensitizer.

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:

d-Limonene (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not regulated.**US. National Toxicology Program (NTP) Report on Carcinogens:** 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 exposure:

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.

| Components | Species | Test Results |
|----------------------------|---------|--------------------------------------|
| d-Limonene (CAS 5989-27-5) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia pulex) |
| Fish | LC50 | Fathead minnow (Pimephales promelas) |
| | | 69.6 mg/l, 48 hours |
| | | 0.619 - 0.796 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:**Partition coefficient n-octanol / water (log Kow)**

| | |
|------------|-------|
| Butane | 2.89 |
| d-Limonene | 4.232 |
| 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:**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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:

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers.

14. Transportation Information**DOT:** **UN Number:** UN1950
UN Proper Shipping Name: Aerosols, flammable, (each not exceeding 1 L capacity)**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 UN1950 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.

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 with restrictions.

Cargo Aircraft Only: Allowed with restrictions.

IMDG: UN Number: UN1950

UN Proper Shipping Name: AEROSOLS.

Transport Hazard Class(es):

Class: 2.1

Subsidiary risk: -

Label(s): None.

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.

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 regulated.

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:

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100): Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.(a)):

Butane (CAS 106-97-8)

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) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| 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) | Yes |
| 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

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.