



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1247	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	ALIVE & WELL	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Aerosol Bacterial Digestant Cleaner & Deodorizer	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 Health hazards: Not classified. Environmental hazards: Not classified. OSHA defined hazards: Not classified.	SIGNAL WORD: DANGER	SYMBOL:	
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HAZARD STATEMENTS:
Extremely flammable aerosol.

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 release to the environment.
Response: Wash hands after handling.
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	Concentration % by Weight
Butane	106-97-8	2.5-10
Propane	74-98-6	1-2.5
Sodium Nitrite	7632-00-0	0.1-1
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

WARNING:

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

EYES: Rinse with water.

SKIN: Wash off with soap and water. Get medical attention if irritation develops and persists.

INHALATION:

Rinse mouth. Get medical attention if symptoms persist.

INGESTION:

Rinse mouth. Get medical attention if symptoms occur.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Direct contact with eyes may cause temporary irritation.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Provide general supportive measures and treat symptomatically.

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.

SPECIFIC FIRE-FIGHTING METHODS:

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. 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. 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. 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. For waste disposal, see section 13 of the SDS. 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:
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. 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. Refrigeration recommended. 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/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 VALUE:
No biological exposure limits noted for the ingredient(s).

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.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:



EYE PROTECTION: Wear safety glasses with side shields (or goggles).

SKIN PROTECTION: Wear appropriate chemical resistant gloves. Wear suitable protective clothing.

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.

9. Physical & Chemical Properties

APPEARANCE:		FLAMMABILITY(solid/gas):	Not available.
Physical State:	Gas.	Flammability Limit-lower (%):	Not available.
Form:	Aerosol.	Flammability Limit-upper (%):	Not available.
Color:	Off-white.	Explosive Limit - lower (%):	Not available.
ODOR:	Not available.	Explosive Limit - upper (%):	Not available.
ODOR THRESHOLD:	Not available.	VAPOR PRESSURE:	55 psig @70°F estimated

pH:	8.5 - 9.5 estimated	VAPOR DENSITY:	Not available.
MELTING/FREEZING POINT:	Not available.	RELATIVE DENSITY:	Not available.
INITIAL BOILING POINT/RANGE:	212°F (100°C) estimated	SOLUBILITY (water):	Not available.
PARTITION COEFFICIENT (n-octanol/water):	Not available.	AUTO-IGNITION TEMP:	Not available.
VISCOSITY:	Not available.	DECOMPOSITION TEMP:	Not available.
SPECIFIC GRAVITY:	0.928 estimated	FLASH POINT:	-156.0°F (-104.4°C) Propellant estimated
EVAPORATION RATE:	Not available.		

10. Stability & Reactivity Information

REACTIVITY:

The product is stable and non-reactive 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.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

CONDITIONS TO AVOID:

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

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: No adverse effects due to skin contact are expected.

INHALATION: Not available.

INGESTION: Expected to be a low ingestion hazard.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

Direct contact with eyes may cause temporary irritation.

ACUTE TOXICITY:

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
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
Sodium Nitrite (CAS 7632-00-0)		
Acute		
<i>Oral</i>		
LD50	Rat	180 mg/kg

* 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/IRRITATION:

Direct contact with eyes may cause temporary irritation.

RESPIRATORY SENSITIZATION:

Not available.

SKIN SENSITIZATION:

This product is not expected to cause skin sensitization.

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:

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:

Harmful to aquatic life.

PRODUCT		SPECIES	TEST RESULTS
ALIVE & WELL (CAS Mixture)			
Aquatic			
Algae	IC50	Algae	11811.124 mg/L, 72 Hours estimated
Crustacea	EC50	Daphnia	26376.5547 mg/l, 48 hours estimated
Fish	LC50	Fish	10370.373 mg/l, 96 hours estimated
COMPONENTS		SPECIES	TEST RESULTS
Sodium Nitrite (CAS 7632-00-0)			
Aquatic			
Crustacea	EC50	Greasyback shrimp (Metapenaeus ensis)	16.14 - 26.61 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	0.15 - 0.25 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:

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:

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).

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: No.

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: No.

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.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium Nitrite (CAS 7632-00-0) 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 – No.

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)

CHEMICAL NAME	CAS NO	% BY WT
Sodium Nitrite	7632-00-0	0.1-1

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)

Sodium Nitrite (CAS 7632-00-0)

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

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Sodium Nitrite (CAS 7632-00-0)

US. Pennsylvania Worker and Community Right-to-Know Law

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Sodium Nitrite (CAS 7632-00-0)

US. Rhode Island RTK

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Sodium Nitrite (CAS 7632-00-0)

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

HMIS	Health Hazards: 1	Flammability: 2	Physical hazards: 0	Personal protection: B
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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.