





SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1391	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	ODOR EASE	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Odor Eliminator	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Specific Target Organ Toxicity - Single Exposure (Narcotic Effects) Category 3 Eye Irritation: Category 2A Aerosols: Category 1	SIGNAL WORD: DANGER.	SYMBOL:		
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HAZARD STATEMENTS:

H222 - Extremely flammable aerosol.
H229 - Pressurized container: May burst if heated.
H336 - May cause drowsiness or dizziness.
H319 - Causes serious eye irritation.

PRECAUTIONARY STATEMENTS:

General: P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.
Prevention: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 - Use only outdoors or in a well-ventilated area.
P264 - Wash thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
Response: P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
Storage: P403 + P405 - Store in a well-ventilated place. Store locked up.
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Ethyl Alcohol	000064-17-5	40% - 60%
Butane	0000106-97-8	10% - 20%
Propane	0000074-98-6	10% - 20%
Isopropyl Alcohol	0000067-63-0	5% - 15%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

SKIN: Take off immediately all contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. Call a POISON CENTER/doctor if you feel unwell. Store contaminated clothing under water and wash before reuse or discard.

INHALATION: Remove source of exposure or move person to fresh air and keep comfortable for breathing. If exposed/feel unwell/concerned: Call a POISON CENTER/doctor. Eliminate all ignition sources, if safe to do so.

INGESTION: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position. Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet.

5. Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA:

Use water, fog, dry chemical or carbon dioxide. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

UNSUITABLE EXTINGUISHING MEDIA:

Water may be ineffective but can be used to cool containers exposed to heat or flame.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture, often with violent force. Aerosol cans may rupture when heated. Heated cans may burst. In fire, will decompose to carbon dioxide, carbon monoxide.

SPECIFIC FIRE-FIGHTING METHODS:

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release, if it can be done safely. Move undamaged containers from immediate hazard area, if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SPECIAL PROTECTIVE EQUIPMENT ACTIONS:

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear. Care should always be exercised in dust/mist areas.

6. Accidental Release Measures

EMERGENCY PROCEDURE:

Flammable/combustible material. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stay upwind; keep out of low areas. Immediately turn off or isolate any source of ignition. Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately. Use absorbent sweeping compound to soak up material and put into suitable container for proper disposal.

RECOMMENDED EQUIPMENT:

Safety glasses, gloves. Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

PERSONAL PRECAUTIONS:

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use explosion-proof equipment. Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

ENVIRONMENTAL PRECAUTIONS:

Stop spill/release, if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth or other appropriate barriers.

7. Handling and Storage

GENERAL: For industrial and institutional use only. For use by trained personnel only. Keep away from children. Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Eyewash stations and showers should be available in areas where this material is used and stored.

VENTILATION ROOM REQUIREMENTS:

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

STORAGE ROOM REQUIREMENTS:

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous. Do not cut, drill, grind, weld, or perform similar operations on or near containers. Do not pressurize containers to empty them. Ground all structures, transfer containers and equipment to conform to the national electrical code. Use procedures that prevent static electrical sparks. Static electricity may accumulate and create a fire hazard. Store at temperatures below 120°F.

8. Exposure Controls / Personal Protection

PERSONAL PROTECTIVE EQUIPMENT:



EYE/FACE PROTECTION: Chemical goggles, safety glasses with side shields or vented/splash proof goggles. Contact lenses may absorb irritants. Particles may adhere to lenses and cause corneal damage.

SKIN PROTECTION: Wear gloves, long sleeved shirt, long pants and other protective clothing as required to minimize skin contact.

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness and dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Chemical-resistant clothing is recommended to avoid prolonged contact. Avoid unnecessary skin contact.

RESPIRATORY PROTECTION: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapors. When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m ³)	OSHA STEL (ppm)	OSHA STEL (mg/m ³)	OSHA- Tables- Z1, Z2, Z3	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m ³)	NIOSH STEL (ppm)	NIOSH STEL (mg/m ³)	NIOSH Carcinogen
Butane								800	1900			
Ethyl Alcohol	1000	1900			1			1000	1900			

Isopropyl Alcohol	400	980			1			400	980	500	1225	
Propane	1000	1800			1			1000	1800			

Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m ³)	ACGIH STEL (ppm)	ACGIH STEL (mg/m ³)
Butane	1000			
Ethyl Alcohol			1000	
Isopropyl Alcohol	200		400	
Propane	See Appendix F: Minimal Oxygen Content			

9. Physical & Chemical Properties

Appearance:	Clear.	Flammability:	Flashpoint below 73°F.
Odor:	Alcohol.	VOC Regulatory:	639.77292 g/l
Odor Threshold:	Not available.	Density:	5.75324 lb/gal
Viscosity:	Not available.	Density VOC:	5.33900 lb/gal
pH:	Not available.	VOC Regulatory:	5.33900 lb/gal
Melting/Freezing Point:	Not available.	% VOC:	92.80000%
Boiling Point/Range:	Not available.	VOC Actual:	5.33900 lb/gal
Flash Point Symbol:	Not available.	VOC Actual:	639.77292 g/l
Flash Point:	<0°F	Decomposition Point:	Not available.
Vapor Density:	Slower than ether.	Auto-Ignition Temp:	Not available.
Evaporation Rate:	Slower than ether.	Upper Explosion Level:	Not available.
Solubility (water):	Complete.	Lower Explosion Level:	Not available.

10. Stability & Reactivity Information

STABILITY:

Stable.

CONDITIONS TO AVOID:

High temperatures.

INCOMPATIBLE MATERIALS:

None known.

HAZARDOUS REACTIONS/POLYMERIZATION:

Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

In fire, will decompose to carbon dioxide, carbon monoxide.

11. Toxicological Information

SKIN CORROSION/IRRITATION:

Overexposure will cause defatting of skin.

SERIOUS EYE DAMAGE/IRRITATION:

Overexposure will cause redness and burning sensation.

CARCINOGENICITY:

No data available.

GERM CELL MUTAGENICITY:

No data available.

REPRODUCTIVE TOXICITY:

No data available.

RESPIRATORY/SKIN SENSITIZATION:

No data available.

SPECIFIC TARGET ORGAN TOXICITY - Single Exposure:

May cause drowsiness or dizziness.

SPECIFIC TARGET ORGAN TOXICITY - Repeated Exposure:

No data available.

ASPIRATION HAZARD:

No data available.

ACUTE TOXICITY:

Inhalation: Effect of overexposure includes irritation of respiratory tract, headache, dizziness, nausea and loss of coordination. Extreme overexposure may result in unconsciousness and possibly death.

0000064-17-5 ETHYL ALCOHOL: LC50 (mouse): Approximately 21000 ppm (4-hour exposure); cited as 39 g/m³ (4-hour exposure) (1, unconfirmed)

LD50 (oral, rat): 7060 mg/kg (41); 10600 mg/kg (41); 13660 mg/kg (37)

LD50 (oral, mouse): 3450 mg/kg (1, unconfirmed)

LD50 (oral, guinea pig): 5560 mg/kg (37)

0000067-63-0 ISOPROPYL ALCOHOL: LC50 (rat): 17000 ppm (4-hour exposure); cited as 12000 ppm (8-hour exposure) (18)

LD50 (oral, male rat): 4710 mg/kg (cited as 6.0 mL/kg) (19)

LD50 (oral, mouse): 3600 mg/kg (20, unconfirmed)

LD50 (dermal, rabbit): 12870 mg/kg (cited as 16.4 mL/kg) (14)

0000106-97-8 BUTANE: LC50 (mouse): 202000 ppm (481000 mg/m³) (4-hour exposure); cited as 680 mg/L (2-hour exposure) (9)
LC50 (rat): 2760000 ppm (658000 mg/m³) (4-hour exposure); cited as 658 mg/L (4-hour exposure) (9)

POTENTIAL HEALTH EFFECTS:

0000064-17-5 ETHYL ALCOHOL: The following medical conditions may be aggravated by exposure: liver disease. Tests in some laboratory animals indicate this compound may have embryotoxic activity. Tests in animals demonstrate reproductive toxicity. Ingestion may cause any of the following: stupor (central nervous system depression), gastrointestinal irritation. If absorbed through the skin, may be: harmful.

0000067-63-0 ISOPROPYL ALCOHOL: The following medical conditions may be aggravated by exposure: dermatitis, respiratory disease. Developmental toxicity was seen in rats offspring at doses that were maternally toxic. Contact will cause moderate to severe redness and swelling, itching, tingling sensation, painful burning. May cause injury to the cornea of the eyes. Prolonged or repeated exposure may cause damage to any of the following organs/systems: liver. Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights.

* Estimates for product may be based on additional component data not shown.

12. Ecological Information

TOXICITY:

No data available.

PERSISTENCE AND DEGRADABILITY:

No data available.

BIOACCUMULATIVE POTENTIAL:

No data available.

MOBILITY IN SOIL:

No data available.

OTHER ADVERSE EFFECTS:

No data available.

13. Disposal Consideration

WATER DISPOSAL

Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

14. Transportation Information

US DOT INFORMATION:

Not regulated.

IMDG INFORMATION:

Not regulated.

IATA INFORMATION:

Not regulated.

15. Regulatory Information

CAS	Chemical Name	% By Weight	Regulation List
0000064-17-5	Ethyl Alcohol	40% - 60%	SARA312,VOC,TSCA,ACGIH,OSHA
0000106-97-8	Butane	10% - 20%	SARA312,VOC,TSCA,ACGIH
0000074-98-6	Propane	10% - 20%	SARA312,VOC,TSCA,ACGIH,OSHA
0000067-63-0	Isopropyl Alcohol	5% - 15%	SARA312,VOC,TSCA,ACGIH,OSHA

16. Other Information

GLOSSARY:

* There are points of differences between OSHA GHS and UN GHS. In 90% of the categories, they can be used interchangeably, but for the Skin Corrosion/Irritant Category and the Specific Target Organ Toxicity (Single and Repeated Exposure) Categories. In these cases, our system will say UN GHS.

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ

-Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA -Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

DISCLAIMER:

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