

# Defender Pro Fogging Odor Neutralizer

## SAFETY DATA SHEET

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### SECTION 1: Identification

#### 1.1 GHS Product identifier

Product name Defender Pro Fogging Odor Neutralizer

#### 1.4 Supplier's details

Name Auto-San  
Address 3783 South Galloway Dr.  
Memphis TN 38111  
  
Telephone (901) 240-8776

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### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

**GHS classification in accordance with: OSHA (29 CFR 1910.1200)**

- Flammable aerosols, Cat. 1
- Eye damage/irritation, Cat. 2A
- Sensitization, skin, Cat. 1
- Specific target organ toxicity (single exposure), Cat. 3

#### 2.2 GHS label elements, including precautionary statements

##### Pictogram



##### Signal word

**Danger**

##### Hazard statement(s)

H222 Extremely flammable aerosol  
H319 Causes serious eye irritation  
H317 May cause an allergic skin reaction  
H335 May cause respiratory irritation  
H336 May cause drowsiness or dizziness

##### Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P211 Do not spray on an open flame or other ignition source.

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P251 P410+P412	Pressurized container: do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P264 P280 P305+P351+P338	Wash ... thoroughly after handling. Wear eye protection/face protection/protective gloves. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 P261 P272 P302+P352 P333+P313 P321 P363 P501 P271 P304+P340 P312 P403+P233 P405	If eye irritation persists: Get medical advice/attention. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. IF ON SKIN: Wash with plenty of water/... If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see ... on this label). Wash contaminated clothing before reuse. Dispose of contents/container to ... Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor/.../ if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous components

###### 1. Acetone

Concentration	> 50 - < 100 % (weight)
Other names / synonyms	2-PROPANONE; Acetone (Data submitter rights); BETA-KETOPROPANE; CHEVRON ACETONE; DIMETHYL KETONE; DIMETHYLFORMALDEHYDE; DIMETHYLKETAL; KETONE PROPANE; KETONE, DIMETHYL; METHYL KETONE; propan-2-one; PROPANONE; PYROACETIC ACID; PYROACETIC ETHER; RCRA WASTE NUMBER U002
EC no.	200-662-2
CAS no.	67-64-1
Index no.	606-001-00-8

- Flammable liquids, Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3
- Serious eye damage/eye irritation, Cat. 2

H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

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### 2. Propane gas

Concentration > 10 - < 20 % (weight)

Other names / synonyms Propane;  
EC no. 200-827-9  
CAS no. 74-98-6  
Index no. 601-003-00-5

- Flammable gases, Cat. 1
- Fail: No text found to return.

H220 Extremely flammable gas

### 3. N-BUTANE

Concentration > 5 - < 10 % (weight)

Other names / synonyms Butane; butane (containing  $\geq 0,1$  % butadiene (203-450-8)); butane (containing  $\geq 0,1$  % butadiene (203-450-8)) [1]; butane [1]; Butane, if it contains =  $>0,1$  % w/w Butadiene; Butane, less than 0.1% w/w butadiene; BUTANE,N-; DIETHYL; LIQUEFIED PETROLEUM GAS; LPG; METHYLETHYLMETHANE; R 600; UN 1011; UN 1075

EC no. 203-448-7  
CAS no. 106-97-8  
Index no. 601-004-01-8

- Flammable gases, Cat. 1
- Fail: No text found to return.
- Carcinogenicity, Cat. 1A
- Germ cell mutagenicity, Cat. 1B

H220 Extremely flammable gas  
H340 May cause genetic defects [route]  
H350 May cause cancer [route]

### 4. Fragrance

Concentration > 1 - < 5 % (weight)

- Flammable liquids, Cat. 4
- Acute toxicity, oral, Cat. 4
- Acute toxicity, inhalation, Cat. 4
- Skin corrosion/irritation, Cat. 2
- Serious eye damage/eye irritation, Cat. 2
- Sensitization, respiratory, Cat. 1
- Hazardous to the aquatic environment, short-term (acute), Cat. 2
- Hazardous to the aquatic environment, long-term (chronic), Cat. 2

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H227	Combustible liquid
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

### Trade secret statement (OSHA 1910.1200(i))

\*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The exact concentration has been withheld as a trade secret.

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

If inhaled	Move to fresh air.
In case of skin contact	If skin irritation occurs: Get medical advice/attention. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.
In case of eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
If swallowed	Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
Personal protective equipment for first-aid responders	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Get medical attention if symptoms occur.

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2 Specific hazards arising from the chemical

Vapors may travel considerable distance to a source of ignition and flash back.

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### 5.3 Special protective actions for fire-fighters

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

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

### 6.2 Environmental precautions

Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

### 6.3 Methods and materials for containment and cleaning up

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid contact with eyes, skin, and clothing.

### 7.2 Conditions for safe storage, including any incompatibilities

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Aerosol Level 3

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 1. Acetone (CAS: 67-64-1)

PEL (Inhalation): 1000 ppm (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 2400 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 500 ppm, (ST) 750 ppm, (C) 3000 ppm (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 250 ppm (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

TLV® (Inhalation): 250 ppm, (ST) 500 ppm; USA (ACGIH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

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### 2. Propane gas (CAS: 74-98-6)

PEL (Inhalation): 1000 ppm (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 1800 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 1000 ppm (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 1000 ppm (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 1000 ppm (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 1800 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 1000 ppm (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 1000 ppm (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Body protection

Eye/face protection:  
Wear safety glasses with side shields (or goggles).

#### Skin and Body Protection:

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

#### Hygiene measures:

Avoid contact with eyes. Observe good industrial hygiene practices. When using do not smoke. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin.

#### Respiratory protection

In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

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## SECTION 9: Physical and chemical properties and safety characteristics

### Basic physical and chemical properties

Physical state	Liquid
Appearance	Spray Aerosol
Odor	
Melting point/freezing point	
Boiling point or initial boiling point and boiling range	
Flammability	
Lower and upper explosion limit/flammability limit	

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Flash point	Estimated -104 °C
Explosive properties	Explosive limit - upper (%): Estimated 9.5 %(V)////// Explosive limit - lower (%): Estimated 1.9 %(V)
Auto-ignition temperature	
Decomposition temperature	
pH	
Kinematic viscosity	
Solubility	
Partition coefficient n-octanol/water (log value)	
Vapor pressure	2,413 - 3,792 hPa (20 °C) 4,826 - 6,205 hPa (54 °C)
Density and/or relative density	
Relative vapor density	

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### SECTION 10: Stability and reactivity

#### 10.2 Chemical stability

Material is stable under normal conditions.

#### 10.5 Incompatible materials

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Acetone: Bases, Oxidizing agents, Reducing agents, Acetone reacts violently with phosphorous oxychloride.

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Fragrance: Strong oxidizing agents.

#### 10.6 Hazardous decomposition products

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Fragrance: No hazardous decomposition products are known.

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### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

Oral

Product:

Not classified for acute toxicity based on available data.

Dermal

Product:

ATEmix: 112,172.32 mg/kg

Inhalation

Product:

Not classified for acute toxicity based on available data.

##### Skin corrosion/irritation

Product:

No data available.

Components:

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2-Propanone  
in vivo (Rabbit): Not irritant  
Proprietary  
estimated Irritating

### Serious eye damage/irritation

Product:  
No data available.  
Components:  
2-Propanone  
Irritating.  
Rabbit, 24 hrs: Minimum grade of severe eye irritant

### Respiratory or skin sensitization

Respiratory or Skin Sensitization  
Product:  
No data available.  
Components:  
2-Propanone  
Skin sensitization:, in vivo (Guinea pig): Non sensitising

### STOT-single exposure

Specific Target Organ Toxicity - Single Exposure  
Product:  
No data available.  
Components:  
2-Propanone  
Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.

### STOT-repeated exposure

Product:  
No data available.  
Target Organs  
Specific Target Organ Toxicity - Single Exposure: Narcotic effect.

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## SECTION 12: Ecological information

### Toxicity

Ecotoxicity:  
Acute hazards to the aquatic environment:  
Fish  
Product:  
No data available.  
Components:  
2-Propanone  
LC 50 (Oncorhynchus mykiss, 96 h): 5,540 mg/l Experimental result, Key study  
Propane  
LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study  
Butane  
LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study



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### Aquatic Invertebrates

Product:

No data available.

Components:

2-Propanone

LC 50 (Daphnia pulex, 48 h): 8,800 mg/l Experimental result, Key study

Butane

LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study

Chronic hazards to the aquatic environment:

Fish

Product:

No data available.

Aquatic Invertebrates

Product:

No data available.

Components:

2-Propanone

LOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study

NOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study

Toxicity to Aquatic Plants

Product:

No data available.

### Persistence and degradability

Biodegradation

Product:

No data available.

Components:

2-Propanone

90.9 % (28 d) Detected in water. Experimental result, Key study

Propane

100 % (385.5 h) Detected in water. Experimental result, Key study

50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study

Butane

100 % (385.5 h) Detected in water. Experimental result, Key study

BOD/COD Ratio

Product:

No data available.

### Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:

No data available.

Components:

2-Propanone

Haddock, adult, Bioconcentration Factor (BCF): 0.69 Aquatic sediment Experimental result, Not specified

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## SECTION 13: Disposal considerations

### Disposal methods

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### Product disposal

Wash before disposal. Dispose to controlled facilities.

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## SECTION 14: Transport information

### DOT (US)

UN Number: 1950

Class: 2.1

Packing Group:

Proper Shipping Name:

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

### IMDG

UN Number: 1950

Class: 2.1

Packing Group:

EMS Number: F-D, S-U

Proper Shipping Name:

The classification shown in this section may be eligible for use of an exception, such as "Limited Quantity", per the dangerous goods regulations. The shipper of this product should consult the applicable mode's regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper's discretion.

### IATA

UN Number: 1950

Class: 2.1

Packing Group:

Proper Shipping Name:

Other information

Passenger and cargo aircraft:

Allowed. 203

Cargo aircraft only:

Allowed. 203

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### Massachusetts Right To Know Components

Chemical name: Acetone

CAS number: 67-64-1

#### New Jersey Right To Know Components

Common name: ACETONE

CAS number: 67-64-1

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### Pennsylvania Right To Know Components

Chemical name: 2-Propanone

CAS number: 67-64-1

### SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

### New Jersey Right To Know Components

Common name: PROPANE

CAS number: 74-98-6

### Pennsylvania Right To Know Components

Chemical name: Propane

CAS number: 74-98-6

### New Jersey Right To Know Components

Common name: BUTANE

CAS number: 106-97-8

### Pennsylvania Right To Know Components

Chemical name: Butane

CAS number: 106-97-8

### HMIS Rating

Defender Pro Fogging Odor Neutralizer	
HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	2
PERSONAL PROTECTION	

### NFPA Rating



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## SECTION 16: Other information

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