

# Inert, DB/PG (Fogger)

## Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 01/18/2017 Revision date: n/a Supersedes: n/a Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name : Inert, DB/PG (Fogger)  
Product code : n/a  
SDS ID : WL2017-010

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Self defense device

#### 1.3. Details of the supplier of the safety data sheet

FOX LABS International, Inc.  
310 Church Street  
Mt. Clemens, MI 48043  
Tel: 586-783-5100

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC (800) 424-9300  
Outside USA: +1 703-527-3888  
24 hours  
Customer ID: CCN13561

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

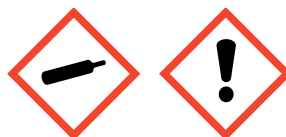
##### GHS-US classification

Refrigerated liquefied gas  
Eye damage/irritant 2A

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS04

GHS07

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

Contains refrigerated gas; may cause cryogenic burns or injury  
Causes serious eye irritation

Precautionary statements (GHS-US) :

Wear eye protection/face protection  
Wear cold insulating gloves/ face shield/eye protection  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Get immediate medical advice/attention.  
Thaw frosted parts with lukewarm water. Do not rub affected area.  
If eye irritation persists: get medical advice/attention  
Store in a well-ventilated place

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

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### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Diethylene glycol monobutyl ether	(CAS No) 112-34-5	30 - 35	Flam. Liq. 4, H227 Eye Irrit. 2A, H319
1-Propene, 1,3,3,3-tetrafluoro-,(1E)-	(CAS No) 29118-24-9	30 - 40	Refrigerated liquefied gas; H280

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : In case of contact with liquid, thaw frosted parts with water, remove clothing carefully and wash with soap & water. Do not apply salves or creams to affected area. If skin irritation persists, seek medical attention.
- First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Contact the Poison Control Centre at 1-800-222-1222.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Shortness of breath.
- Symptoms/injuries after eye contact : Causes serious eye irritation.
- Symptoms/injuries after skin contact : May cause frost-bite.
- Symptoms/injuries after ingestion : May cause irritation to mouth, throat and stomach upon direct contact.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Non known.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Non-flammable aerosol. Contains combustible liquid.
- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

- General measures : No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges. Avoid contact with skin and eyes.

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel. For further information refer to section 8 : Exposure-controls/personal protection.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

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### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not spray on an open flame or other ignition source. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash hands thoroughly after handling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work place.

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

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep only in the original container in a cool, well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place. Keep container tightly closed.

Incompatible products : No additional information available.

Incompatible condition : Sources of ignition. Direct sunlight. Heat sources.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Diethylene glycol monobutyl ether (112-34-5)		
ACGIH	ACGIH TWA (ppm)	10 ppm (inhalable fraction and vapor)

### 8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate ventilation.

Personal protective equipment : Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.



Hand protection : Wear protective oil and chemical gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing (Oil / chemical resistant).

Respiratory protection : In case of insufficient ventilation wear appropriate respiratory protection.

Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Thin liquid/ Aerosol

Color : Light amber

Odor : Pungent, highly irritating

Odor threshold : No data available

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pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 75 - 90 °C (167 - 194 °F)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Completely soluble in water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Thermal decomposition generates : Carbon dioxide, carbon monoxide and hydrocarbons.

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization may occur if exposure to fire conditions

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

### 10.5. Incompatible materials

No additional information available.

### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide, hydrocarbons.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Diethylene glycol monobutyl ether (112-34-5)	
LD50 oral rat	5660 mg/kg
LD50 dermal rabbit	2700 mg/kg
ATE US (oral)	3384.000 mg/kg body weight
ATE US (dermal)	2700.000 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified

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Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: Shortness of breath.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after skin contact	: Causes skin irritation.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Diethylene glycol monobutyl ether (112-34-5)	
LD50 oral rat	5660 mg/kg
LD50 dermal rabbit	2700 mg/kg
ATE US (oral)	3384.000 mg/kg body weight
ATE US (dermal)	2700.000 mg/kg body weight

#### 12.2. Persistence and degradability

Not established.

#### 12.3. Bioaccumulative potential

Not established.

Diethylene glycol monobutyl ether (112-34-5)	
BCF fish 1	(no bioconcentration expected)

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on ozone layer	: No additional information available
Effect on the global warming	: No additional information available
Other information	: Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use.
Additional information	: Flammable vapors may accumulate in the container.
Ecology - waste materials	: Avoid release to the environment.

### SECTION 14: Transport information

In accordance with DOT	
Transport document description (ADR)	: Consumer commodity
UN-No.(DOT)	: ORM-D
Proper Shipping Name (DOT)	: Consumer commodity
Hazard Classes (DOT)	: -
Hazard labels (DOT)	: None

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DOT Packaging Exceptions (49 CFR 173.xxx) : 156, 306  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 156, 306  
DOT Packaging Bulk (49 CFR 173.xxx) : None  
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 30 kg  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : Forbidden

### Additional information

Other information : No supplementary information available.

### ADR

No additional information available

### Air transport

UN-No.(IATA) : 8000  
Proper Shipping Name (IATA) : Consumer commodity  
Class (IATA) : 9 - Miscellaneous Dangerous Goods

### Transport by sea

UN-No.(IMDG) : 1950  
Proper Shipping Name (IMDG) : AEROSOL  
Class (IMDG) : 2.2 - Class 2.2 - Non-flammable, non-toxic gases  
(each not exceeding 1 L capacity)

Hazard labels (IMDG) :



Excepted Quantity code (IMDG) : E0 (Not permitted as Excepted Quantity)  
EMS : F-C, S-V

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### Diethylene glycol monobutyl ether (112-34-5)

EPA TSCA Regulatory Flag

T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA  
Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule

### 15.2. International regulations

#### CANADA

#### Diethylene glycol monobutyl ether (112-34-5)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class B Division 3 - Combustible Liquid  
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

#### 1-Propene, 1,3,3,3-tetrafluoro-,(1E)- (29118-24-9)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

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### Classification according to Regulation (EC) No. 1272/2008 [CLP]

No information available

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No information available

#### 15.2.2. National regulations

##### Diethylene glycol monobutyl ether (112-34-5)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Canadian IDL (Ingredient Disclosure List)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

Revision date : Not applicable  
Other information : None.  
Indication of changes : Not applicable

Full text of H-phrases:

Compressed gas	Gases under pressure : Compressed gas
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 4	Flammable liquids Category 4
H227	Combustible liquid
H280	Contains gas under pressure; may explode if heated
H319	Causes serious eye irritation

*The information presented herein is believed to be correct but is not purported to be all inclusive and shall be used only as a guide. AMSPEC Chemical shall not be held liable for any damage resulting from handling or from contact with the above product.*