

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : AC Compressor Care
Product code : 94560

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Air Conditioner additive

1.3. Supplier

Bardahl Pro
1400 NW 52nd Street
Seattle, 98107 - USA
T 206-783-4851 - F 206-784-3219
www.bardahl.com
Contact: Jackie Leung

1.4. Emergency telephone number

Emergency number : 800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Gases under pressure : Compressed gas
Acute toxicity (oral), Category 4

Contains gas under pressure; may explode if heated.
Harmful if swallowed.

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

Contains gas under pressure; may explode if heated.
Harmful if swallowed.

Precautionary statements (GHS US) :

Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
If swallowed: Call a POISON CENTER if you feel unwell.
Rinse mouth.
Protect from sunlight. Store in a well-ventilated place.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Polyalkylene Glycol Alkyl Ether 100	(CAS-No.) Confidential	50 – 80	Acute Tox. 4 (Oral), H302

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Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

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| First-aid measures general | : Call a poison center or a doctor if you feel unwell. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. |
| First-aid measures after eye contact | : Rinse eyes with water as a precaution. |
| First-aid measures after ingestion | : Rinse mouth. Call a poison center or a doctor if you feel unwell. |

4.2. Most important symptoms and effects (acute and delayed)

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| Symptoms/effects after inhalation | : Coughing. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Blisters. Causes skin irritation. Contact with the liquefied gas may cause frostbite. |
| Symptoms/effects after eye contact | : May cause slight irritation. |
| Symptoms/effects after ingestion | : Swallowing a small quantity of this material will result in serious health hazard. |

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Specific hazards arising from the chemical

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| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
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5.3. Special protective equipment and precautions for fire-fighters

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|--------------------------------|---|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

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| Protective equipment | : Gloves. Safety glasses. |
| Emergency procedures | : Ventilate spillage area. Evacuate unnecessary personnel. |

6.1.2. For emergency responders

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|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate area. |

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

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|-------------------------|---|
| For containment | : Collect spillage. |
| Methods for cleaning up | : Take up liquid spill into absorbent material. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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| Precautions for safe handling | : Ensure good ventilation of the work station. Wear personal protective equipment. |
|-------------------------------|--|

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Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Take precautionary measures against static discharge.
Storage conditions : Protect from sunlight. Store in a well-ventilated place. Keep cool.
Incompatible products : Strong acids. Strong bases.
Incompatible materials : Sources of ignition. Direct sunlight.
Storage area : Store in a well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

AC Compressor Care
No additional information available
Polyalkylene Glycol Alkyl Ether 100 (Confidential)
No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gloves. Safety glasses.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Gas
Appearance : Liquid.
Colour : Colourless or light yellow
Odour : Mixture contains one or more component(s) which have the following odour:
Odour threshold : No data available
pH : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available
Flash point : > 200 °C

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Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1 @ 20C
Solubility	: Water: Poorly soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: 1.06 OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 98000000 mm ² /s @ 40C
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

VOC content	: > 95 % VOC Exempt
Gas group	: Press. Gas (Liq.)

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

AC Compressor Care	
LD50 oral rat	500 mg/kg
LC50 inhalation rat (mg/l)	> 2000 mg/l/4h
LC50 inhalation rat (ppm)	> 359300 ppm/4h
ATE US (oral)	500 mg/kg bodyweight

Polyalkylene Glycol Alkyl Ether 100 (Confidential)	
ATE US (oral)	500 mg/kg bodyweight

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

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STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: 98000000 mm ² /s @ 40C
Symptoms/effects after inhalation	: Coughing. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Blisters. Causes skin irritation. Contact with the liquefied gas may cause frostbite.
Symptoms/effects after eye contact	: May cause slight irritation.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

AC Compressor Care	
LC50 fish 1	450 mg/l 96h
EC50 Daphnia 1	980 mg/l 48h

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

AC Compressor Care	
BCF other aquatic organisms 1	5 – 58
Partition coefficient n-octanol/water (Log Pow)	1.06 OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on global warming : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Transport by sea

Transport document description (IMDG) : UN 1078 REFRIGERANT GAS, N.O.S. (1,1,1,2-TETRAFLUOROETHANE), 2.2
UN-No. (IMDG) : 1078
Proper Shipping Name (IMDG) : REFRIGERANT GAS, N.O.S.
Class (IMDG) : 2 - Gases
Limited quantities (IMDG) : 120 ml

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Air transport

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

EU-Regulations

National regulations

No additional information available

15.3. US State regulations

SECTION 16: Other information

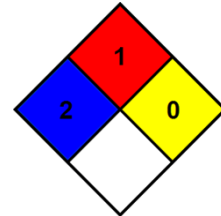
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Revision date : 02/18/2020

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

Personal protection : B

B - Safety glasses, Gloves

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.