



**Prestone**



## SAFETY DATA SHEET

### Prestone Anti Freeze Ready To Use ( RTU)

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

##### 1.1. Product identifier

<b>Product name</b>	Prestone Anti Freeze Ready To Use ( RTU)
<b>Product number</b>	AF2100LD, AF2100LGBA, AF2100LFNL, PAFR0017A, PAFR0018A, PAFR0019A
<b>REACH registration notes</b>	This is a MIXTURE; no registration information contained in this document . Holts are classed as Downstream User.

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

<b>Identified uses</b>	Antifreeze liquid.
------------------------	--------------------

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

<b>Supplier</b>	A Holts Car Care Product Holt Lloyd International Ltd Barton Dock Road Stretford Manchester M32 0YQ - England, UK +44 (0) 161 866 4800 FAX +44 (0) 161 866 4854 www.holtsauto.com
<b>Contact person</b>	Contact Email address: info@holtsauto.com

##### 1.4. Emergency telephone number

<b>Emergency telephone</b>	UK - 00 44 (0) 161 866 4800 Office hrs = 0900 - 1700 hrs Out of office hours Tel: 020 7358 9167
----------------------------	---

**National emergency telephone number** <https://poisoncentres.echa.europa.eu/>

#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Acute Tox. 4 - H302
<b>Environmental hazards</b>	Not Classified

**Classification (67/548/EEC or 1999/45/EC)** Xn;R22.

##### 2.2. Label elements

## Prestone Anti Freeze Ready To Use ( RTU)

### Pictogram



### Signal word

Warning

### Hazard statements

H302 Harmful if swallowed.

### Precautionary statements

P102 Keep out of reach of children.  
 P101 If medical advice is needed, have product container or label at hand.  
 P264 Wash contaminated skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.  
 P501 Dispose of contents/ container in accordance with local regulations.

### Contains

ETHANEDIOL

### Supplementary precautionary statements

P330 Rinse mouth.

### 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>ETHANEDIOL</b>	<b>30-60%</b>
CAS number: 107-21-1	EC number: 203-473-3
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	Xn;R22
<b>2-Ethyl Hexanoic Acid, Sodium Salt</b>	<b>1-5%</b>
CAS number: 19766-89-3	EC number: 243-283-8
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315	Xi;R36/38.
Eye Irrit. 2 - H319	
<b>PROPAN-1-OL</b>	<b>&lt;1%</b>
CAS number: 71-23-8	EC number: 200-746-9
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 2 - H225	F;R11 Xi;R41 R67
Eye Dam. 1 - H318	
STOT SE 3 - H336	
<b>SODIUM HYDROXIDE</b>	<b>&lt;1%</b>
CAS number: 1310-73-2	EC number: 215-185-5
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Corr. 1A - H314	C;R35
Eye Dam. 1 - H318	

## Prestone Anti Freeze Ready To Use ( RTU)

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
----------------------------	---

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

<b>Notes for the doctor</b>	Treat symptomatically.
-----------------------------	------------------------

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
-------------------------------------	---

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

<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).
--------------------------------------	---

#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Fight fire with normal precautions from a reasonable distance.
---	--

### SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Avoid contact with skin, eyes and clothing.
-----------------------------	---

#### 6.2. Environmental precautions

<b>Environmental precautions</b>	The product is miscible with water and may spread in water systems.
----------------------------------	---

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

<b>Methods for cleaning up</b>	Collect and place in suitable waste disposal containers and seal securely. Avoid the spillage or runoff entering drains, sewers or watercourses.
--------------------------------	--

#### 6.4. Reference to other sections

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

## Prestone Anti Freeze Ready To Use ( RTU)

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Do not handle broken packages without protective equipment.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store at temperatures above °C/°F.

**Storage class** Toxic storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **ETHANEDIOL**

Long-term exposure limit (8-hour TWA): WEL 20 ppm 52 mg/m<sup>3</sup> vapour

Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m<sup>3</sup> vapour

Sk

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> particulate

Sk

##### **PROPAN-1-OL**

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 500 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 625 mg/m<sup>3</sup>(Sk)

##### **SODIUM HYDROXIDE**

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

**Ingredient comments** WEL = Workplace Exposure Limits

#### **ETHANEDIOL (CAS: 107-21-1)**

**Ingredient comments** WEL = Workplace Exposure Limits

#### **D11014A CHROMATINT URANINE CONC (Yellow)**

**Ingredient comments** WEL = Workplace Exposure Limits

### 8.2. Exposure controls

#### **Protective equipment**



#### **Appropriate engineering controls**

Provide adequate general and local exhaust ventilation.

#### **Eye/face protection**

The following protection should be worn: Chemical splash goggles.

#### **Hand protection**

Use protective gloves.

## Prestone Anti Freeze Ready To Use ( RTU)

<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
<b>Hygiene measures</b>	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Yellow.
<b>Odour</b>	Mild. Characteristic.
<b>pH</b>	pH (concentrated solution): 8.5-9.0
<b>Flash point</b>	No information required.
<b>Relative density</b>	~1.070 @ °C

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	The reactivity data for this product will be typical of those for the following class of materials: Organic compounds - aliphatic. Alcohols, glycols.
-------------------	---

#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures.
------------------	--

#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid contact with the following materials: Acids. Oxidising agents.
----------------------------	--

#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
---	--

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	999.55
-------------------------	--------

<b>Inhalation</b>	No specific health hazards known.
-------------------	-----------------------------------

<b>Ingestion</b>	Harmful if swallowed.
------------------	-----------------------

<b>Skin contact</b>	May cause sensitisation by skin contact. Liquid may irritate skin.
---------------------	--

<b>Eye contact</b>	May cause severe eye irritation.
--------------------	----------------------------------

## Prestone Anti Freeze Ready To Use ( RTU)

### SECTION 12: Ecological Information

#### 12.1. Toxicity

**Toxicity** Ethanediol (Ethylene glycol): Fish, shrimp, algae: Low toxicity

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is unlikely.

#### 12.4. Mobility in soil

**Mobility** The product is miscible with water and may spread in water systems.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78 and the IBC Code**

## Prestone Anti Freeze Ready To Use ( RTU)

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU legislation

Dangerous Substances Directive 67/548/EEC.  
Dangerous Preparations Directive 1999/45/EC.  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

Revision date	18/10/2017
Revision	3
Supersedes date	18/10/2017
SDS number	14407
Risk phrases in full	R11 Highly flammable. R22 Harmful if swallowed. R36/38 Irritating to eyes and skin. R41 Risk of serious damage to eyes. R67 Vapours may cause drowsiness and dizziness.
Hazard statements in full	H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.