



Prestone



## SAFETY DATA SHEET Prestone -40°C Trigger De-icer

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

#### 1.1. Product identifier

<b>Product name</b>	Prestone -40°C Trigger De-icer
<b>Product number</b>	PDEI0101A, PDEI0002A, PDEI0005A, PDEI0007A
<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>	Car maintenance product.
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#### 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
<b>National emergency telephone number</b>	<a href="https://poisoncentres.echa.europa.eu/">https://poisoncentres.echa.europa.eu/</a>

### SECTION 2: Hazards identification

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

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

<b>Physical hazards</b>	Flam. Liq. 3 - H226
<b>Health hazards</b>	Not Classified
<b>Environmental hazards</b>	Not Classified

#### 2.2. Label elements

##### Pictogram



<b>Signal word</b>	Warning
<b>Hazard statements</b>	H226 Flammable liquid and vapour.

## Prestone -40°C Trigger De-icer

<b>Precautionary statements</b>	P102 Keep out of reach of children.
	P101 If medical advice is needed, have product container or label at hand.
	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P501 Dispose of contents/ container in accordance with local regulations.
<b>Supplementary precautionary statements</b>	P233 Keep container tightly closed.
	P240 Ground and bond container and receiving equipment.
	P241 Use explosion-proof electrical equipment.
	P242 Use non-sparking tools.
	P243 Take action to prevent static discharges.
	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
	P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
	P403+P235 Store in a well-ventilated place. Keep cool.

### 2.3. Other hazards

The product does not contain any substance that is classified as PBT or vPvB

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>ETHANOL</b>	<b>30-60%</b>
CAS number: 64-17-5	EC number: 200-578-6
<b>Classification</b>	
Flam. Liq. 2 - H225	
<b>ETHANEDIOL</b>	<b>5-10%</b>
CAS number: 107-21-1	EC number: 203-473-3
<b>Classification</b>	
Acute Tox. 4 - H302	
STOT RE 2 - H373	
<b>METHANOL</b>	<b>1-5%</b>
CAS number: 67-56-1	EC number: 200-659-6
<b>Classification</b>	
Flam. Liq. 2 - H225	
Acute Tox. 3 - H301	
Acute Tox. 3 - H311	
Acute Tox. 3 - H331	
STOT SE 1 - H370	

The full text for all hazard statements is displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

## Prestone -40°C Trigger De-icer

<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. 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 affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

### 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.
<b>Inhalation</b>	Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	May cause nausea, headache, dizziness and intoxication.
<b>Skin contact</b>	No specific symptoms known.
<b>Eye contact</b>	May cause temporary eye irritation.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with the following media: Carbon dioxide (CO <sub>2</sub> ). Dry chemicals, sand, dolomite etc. DO NOT try to put out large fires.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Fire creates: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Carbonyl compounds. Oxides of the following substances: Sulphur.
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### 5.3. Advice for firefighters

<b>Special protective equipment for firefighters</b>	Firefighters should wear full protective gear including SCBA sets with full face shields.
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## **SECTION 6: Accidental release measures**

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

<b>Personal precautions</b>	For personal protection, see Section 8.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid discharge into drains or watercourses or onto the ground.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers.
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### 6.4. Reference to other sections

## Prestone -40°C Trigger De-icer

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Avoid spilling. Avoid contact with skin and eyes.

#### 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.

#### 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

##### ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

##### 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

##### METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

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

##### Ingredient comments

WEL = Workplace Exposure Limits

#### 8.2. Exposure controls

##### Protective equipment



### SECTION 9: Physical and chemical properties

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

**Appearance** Clear liquid.

**Colour** Yellow.

**Odour** Alcoholic.

## Prestone -40°C Trigger De-icer

<b>pH</b>	pH (concentrated solution): 7.18
<b>Flash point</b>	25°C Closed cup.
<b>Relative density</b>	0.932 @ 20°C
<b>Solubility(ies)</b>	Miscible with water.

### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

##### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

##### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Will not polymerise.

##### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

##### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Strong oxidising agents.

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** 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

**ATE oral (mg/kg)** 2,686.98

###### Acute toxicity - dermal

**ATE dermal (mg/kg)** 14,150.94

###### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 33,018.87

**ATE inhalation (vapours mg/l)** 141.51

**ATE inhalation (dusts/mists mg/l)** 23.58

**Inhalation** Harmful by inhalation. May cause respiratory system irritation.

**Ingestion** Harmful if swallowed.

**Skin contact** Harmful in contact with skin. Irritating to skin.

**Eye contact** Irritating to eyes.

**Target organs** Skin Eyes Respiratory system, lungs

#### SECTION 12: Ecological information

## Prestone -40°C Trigger De-icer

### 12.1. Toxicity

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>Waste class</b>	WGK : 2 (Germany)

## SECTION 14: Transport information

### 14.1. UN number

<b>UN No. (ADR/RID)</b>	1987
<b>UN No. (IMDG)</b>	1987
<b>UN No. (ICAO)</b>	1987
<b>UN No. (ADN)</b>	1987

### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	ALCOHOLS, N.O.S. (CONTAINS ETHANOL, METHANOL)
<b>Proper shipping name (IMDG)</b>	ALCOHOLS, N.O.S. (CONTAINS ETHANOL, METHANOL)
<b>Proper shipping name (ICAO)</b>	ALCOHOLS, N.O.S. (CONTAINS ETHANOL, METHANOL)
<b>Proper shipping name (ADN)</b>	ALCOHOLS, N.O.S. (CONTAINS ETHANOL, METHANOL)

### 14.3. Transport hazard class(es)

<b>ADR/RID class</b>	3
<b>ADR/RID classification code</b>	F1
<b>ADR/RID label</b>	3
<b>IMDG class</b>	3
<b>ICAO class/division</b>	3
<b>ADN class</b>	3

### Transport labels



### 14.4. Packing group

<b>ADR/RID packing group</b>	III
<b>IMDG packing group</b>	III
<b>ICAO packing group</b>	III

## Prestone -40°C Trigger De-icer

ADN packing group III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS F-E, S-D

ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number (ADR/RID) 30

Tunnel restriction code (D/E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

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

National regulations EH40/2005 Workplace exposure limits.

EU legislation Dangerous Substances Directive 67/548/EEC.  
Dangerous Preparations Directive 1999/45/EC.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Authorisations (Title VII Regulation 1907/2006) No specific authorisations are known for this product.

Restrictions (Title VIII Regulation 1907/2006) No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

## SECTION 16: Other information

Revision date 05/07/2016

Revision 1

Supersedes date 11/09/2013

SDS number 14672

Hazard statements in full H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H331 Toxic if inhaled.  
H370 Causes damage to organs .  
H373 May cause damage to organs (Liver, Kidneys) through prolonged or repeated exposure.

## Prestone -40°C Trigger De-icer

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.