


Prestone


SAFETY DATA SHEET

Prestone Windshield Melt De-icer

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

1.1. Product identifier

Product name Prestone Windshield Melt De-icer

Product number AS240N,AS240

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

Identified uses Deicer

1.3. Details of the supplier of the safety data sheet

Supplier 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

Manufacturer Prestone Products Corporation
39, Old Ridgebury Road
Danbury
CT
06810-5109
USA

1.4. Emergency telephone number

Emergency telephone Prestone: 001 800 424 9300

National emergency telephone number <http://echa.europa.eu/en/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 2 - H225

Health hazards Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Eye Irrit. 2 - H319 STOT SE 1 - H370 STOT RE 2 - H373

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) T;R23/24/25,R39/23/24/25. F;R11.

2.2. Label elements

Prestone Windshield Melt De-icer

Pictogram



Signal word

Danger

Hazard statements

H370 Causes damage to organs .
 H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.

Precautionary statements

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.
 P260 Do not breathe vapour/spray.
 P264 Wash contaminated skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P501 Dispose of contents/container in accordance with local regulations.

Contains

METHANOL, ETHANEDIOL

Supplementary precautionary statements

P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P261 Avoid breathing vapour/spray.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.
 P311 Call a POISON CENTER/doctor.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P314 Get medical advice/attention if you feel unwell.
 P321 Specific treatment (see medical advice on this label).
 P330 Rinse mouth.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Prestone Windshield Melt De-icer

| | | |
|---|--|----------------------|
| METHANOL | | 30-60% |
| CAS number: 67-56-1 | | EC number: 200-659-6 |
| Classification Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370 | Classification (67/548/EEC or 1999/45/EC) F;R11 T;R23/24/25,R39/23/24/25 | |
| ETHANEDIOL | | 10-30% |
| CAS number: 107-21-1 | | EC number: 203-473-3 |
| Classification Acute Tox. 4 - H302 STOT RE 2 - H373 | Classification (67/548/EEC or 1999/45/EC) Xn;R22 | |
| PROPAN-2-OL | | 10-30% |
| CAS number: 67-63-0 | | EC number: 200-661-7 |
| Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336 | Classification (67/548/EEC or 1999/45/EC) F;R11 Xi;R36 R67 | |

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

| | |
|----------------------------|--|
| General information | Treat symptomatically. |
| Inhalation | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. |
| Ingestion | Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. |
| Skin contact | Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing. |
| Eye contact | Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes. Remove any contact lenses and open eyelids wide apart. |

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

| | |
|----------------------------|--|
| General information | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. |
| Inhalation | Vapours may cause headache, fatigue, dizziness and nausea. |
| Ingestion | May cause nausea, headache, dizziness and intoxication. May cause unconsciousness, blindness and possibly death. |

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| | |
|---------------------|--|
| Skin contact | Skin irritation. Prolonged skin contact may cause redness and irritation. |
| Eye contact | Irritation of eyes and mucous membranes. Prolonged contact may cause redness and/or tearing. |

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

| | |
|-----------------------------|------------------------|
| Notes for the doctor | Treat symptomatically. |
|-----------------------------|------------------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|-------------------------------------|--|
| Suitable extinguishing media | Small fires: Use fire-extinguishing media suitable for the surrounding fire. Larger fires: Alcohol-resistant foam. |
|-------------------------------------|--|

5.2. Special hazards arising from the substance or mixture

| | |
|--------------------------------------|--|
| Specific hazards | In case of fire, toxic and corrosive gases may be formed. No unusual fire or explosion hazards noted. |
| Hazardous combustion products | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen. |

5.3. Advice for firefighters

| | |
|--|---|
| Protective actions during firefighting | No specific firefighting precautions known. |
| Special protective equipment for firefighters | Use protective equipment appropriate for surrounding materials. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|---|
| Personal precautions | Wear protective clothing as described in Section 8 of this safety data sheet. |
|-----------------------------|---|

6.2. Environmental precautions

| | |
|----------------------------------|--|
| Environmental precautions | Avoid release to the environment. Do not discharge into drains or watercourses or onto the ground. |
|----------------------------------|--|

6.3. Methods and material for containment and cleaning up

| | |
|--------------------------------|---|
| Methods for cleaning up | Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. For waste disposal, see Section 13. |
|--------------------------------|---|

6.4. Reference to other sections

| | |
|------------------------------------|---|
| Reference to other sections | For personal protection, see Section 8. For waste disposal, see section 13. |
|------------------------------------|---|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|--------------------------|---|
| Usage precautions | Avoid spilling. Avoid contact with skin and eyes. |
|--------------------------|---|

7.2. Conditions for safe storage, including any incompatibilities

| | |
|----------------------------|---|
| Storage precautions | Keep only in the original container. Keep away from food, drink and animal feeding stuffs. Store in a cool and well-ventilated place. |
| Storage class | Flammable liquid storage. |

7.3. Specific end use(s)

Prestone Windshield Melt De-icer

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

METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³

Sk

ETHANEDIOL

Long-term exposure limit (8-hour TWA): WEL 20 ppm 52 mg/m³ vapour

Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m³ vapour

Sk

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

Sk

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

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



Appropriate engineering controls

No specific ventilation requirements.

Eye/face protection

Wear chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. EN374 It is recommended that gloves are made of the following material: Rubber (natural, latex).

Other skin and body protection

Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

Wash hands after handling.

Respiratory protection

Respiratory protection not required.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Colour

Clear liquid. Water-white.

Odour

Characteristic.

Initial boiling point and range °C @

Prestone Windshield Melt De-icer

| | |
|---------------------------|-------------------|
| Flash point | 17°C |
| Relative density | 0.87 @ 20°C |
| Solubility(ies) | Soluble in water. |
| Auto-ignition temperature | °C |

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 under the prescribed storage conditions. |
|-----------|---|

10.3. Possibility of hazardous reactions

| | |
|------------------------------------|--------------------------------------|
| Possibility of hazardous reactions | Not applicable. Will not polymerise. |
|------------------------------------|--------------------------------------|

10.4. Conditions to avoid

| | |
|---------------------|-----------------------------|
| Conditions to avoid | Avoid heat. Avoid freezing. |
|---------------------|-----------------------------|

10.5. Incompatible materials

| | |
|--------------------|--|
| Materials to avoid | No specific material or group of materials is likely to react with the product to produce a hazardous situation. |
|--------------------|--|

10.6. Hazardous decomposition products

| | |
|----------------------------------|--|
| Hazardous decomposition products | Does not decompose when used and stored as recommended. Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |
|----------------------------------|--|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------|---------------------------|
| Toxicological effects | No information available. |
|-----------------------|---------------------------|

Acute toxicity - oral

| | |
|------------------|--------|
| ATE oral (mg/kg) | 171.06 |
|------------------|--------|

Acute toxicity - dermal

| | |
|--------------------|--------|
| ATE dermal (mg/kg) | 545.45 |
|--------------------|--------|

Acute toxicity - inhalation

| | |
|----------------------------|----------|
| ATE inhalation (gases ppm) | 1,272.73 |
|----------------------------|----------|

| | |
|-------------------------------|------|
| ATE inhalation (vapours mg/l) | 5.45 |
|-------------------------------|------|

| | |
|-----------------------------------|------|
| ATE inhalation (dusts/mists mg/l) | 0.91 |
|-----------------------------------|------|

| | |
|------------|--|
| Inhalation | Toxic by inhalation. Toxic: danger of very serious irreversible effects through inhalation. Vapour may affect central nervous system. Symptoms following overexposure may include the following: Headache. Nausea, vomiting. Intoxication. May cause discomfort. |
| Ingestion | Toxic if swallowed. Toxic: danger of very serious irreversible effects if swallowed. Swallowing concentrated chemical may cause severe internal injury. |

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| | |
|---|---|
| Skin contact | Toxic in contact with skin. Toxic: danger of serious damage to health by prolonged exposure in contact with skin. |
| Eye contact | May cause eye irritation. Repeated exposure may cause chronic eye irritation. |
| Acute and chronic health hazards | |
| Route of entry | Inhalation Ingestion. Skin absorption |
| Target organs | Skin Respiratory system, lungs Gastro-intestinal tract Central nervous system |

SECTION 12: Ecological Information

| | |
|--------------------|---|
| Ecotoxicity | Not regarded as dangerous for the environment. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. |
|--------------------|---|

12.1. Toxicity

12.2. Persistence and degradability

| | |
|--------------------------------------|-------------------------------|
| Persistence and degradability | The product is biodegradable. |
|--------------------------------------|-------------------------------|

12.3. Bioaccumulative potential

| | |
|----------------------------------|-------------------------------------|
| Bioaccumulative potential | The product is not bioaccumulating. |
|----------------------------------|-------------------------------------|

12.4. Mobility in soil

| | |
|-----------------|--|
| Mobility | The product contains substances which are water-soluble 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

14.1. UN number

| | |
|-------------------------|------|
| UN No. (ADR/RID) | 1986 |
| UN No. (IMDG) | 1986 |
| UN No. (ICAO) | 1986 |
| UN No. (ADN) | 1986 |

14.2. UN proper shipping name

| | |
|---------------------------------------|---|
| Proper shipping name (ADR/RID) | ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (CONTAINS METHANOL, PROPAN-2-OL) |
| Proper shipping name (IMDG) | ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (CONTAINS METHANOL, PROPAN-2-OL) |

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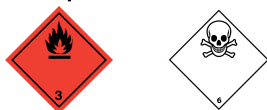
Proper shipping name (ICAO) ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (CONTAINS METHANOL, PROPAN-2-OL)

Proper shipping name (ADN) ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (CONTAINS METHANOL, PROPAN-2-OL)

14.3. Transport hazard class(es)

| | |
|-----------------------------|-----|
| ADR/RID class | 3 |
| ADR/RID subsidiary risk | 6.1 |
| ADR/RID classification code | FT1 |
| ADR/RID label | 3 |
| IMDG class | 3 |
| IMDG subsidiary risk | 6.1 |
| ICAO class/division | 3 |
| ICAO subsidiary risk | 6.1 |
| ADN class | 3 |
| ADN subsidiary risk | 6.1 |

Transport labels



14.4. Packing group

| | |
|-----------------------|----|
| ADR/RID packing group | II |
| IMDG packing group | II |
| ADN packing group | II |
| ICAO packing group | II |

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

| | |
|--|----------|
| EmS | F-E, S-D |
| ADR transport category | 2 |
| Emergency Action Code | •3WE |
| Hazard Identification Number (ADR/RID) | 336 |
| Tunnel restriction code | (D/E) |

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

Prestone Windshield Melt De-icer

| | |
|--|--|
| 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. |
| Water hazard classification | WGK 1 |

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

| | |
|----------------------------------|---|
| Issued by | Technical Department |
| Revision date | 26/07/2016 |
| Revision | 2 |
| Supersedes date | 14/08/2007 |
| SDS number | 10723 |
| SDS status | Approved. |
| Risk phrases in full | R11 Highly flammable. R22 Harmful if swallowed. R23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R36 Irritating to eyes. R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R67 Vapours may cause drowsiness and dizziness. |
| Hazard statements in full | H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H319 Causes serious eye irritation. H331 Toxic if inhaled. H336 May cause drowsiness or dizziness. H370 Causes damage to organs . H373 May cause damage to organs through prolonged or repeated exposure. H373 May cause damage to organs (Liver, Kidneys) through prolonged or repeated exposure. |

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.