



# TECHNICAL DATA SHEET

## PRODUCT IDENTIFICATION

**Product Name:** ARCTIC CLEAR™ WINDOW & MIRROR DE-ICER  
**Product Use:** Windshield, Window and Mirror De-Icer / Anti-Icer

## PRODUCT DESCRIPTION

Arctic CLEAR Window & Mirror De-icer™ is a powerful liquid spray de-icer that melts the ice, frost and light snow immediately upon contact. This product works effectively on Windshields, Windows, Mirrors, Locks, Headlights, Doors and multiple surfaces.

## PERFORMANCE

**Powerful:** Effective to -42°C (-44°F)  
**Clears on Contact:** Immediately clears ice, frost and light snow off Windshields, Windows, Mirrors, Locks, Headlights, Doors and multiple surfaces.  
**Streak and Residue Free:** Leaves windows streak and residue free. Removes bugs and road grim leaving windows clean and clear.  
**Prevents Ice from Forming or Re-Freezing:** Can also be used as an anti-icer to prevent the ice from forming or re-freezing for hours.  
**Safe on Car Finishes:** Specifically designed to not affect car finishes. Safe and easy to use.

## APPLICATION METHOD

1. Start vehicle and turn on defrosters.
2. Brush away loose snow.
3. Shake can well.
4. Hold can upright 10-14" away from the ice.
5. Push spray button and pply product directly onto the ice.
6. Operate windshied wipers to clear windows.

## COMPOSITION

Arctic CLEAR Window & Mirror De-icer™ consists primarily of a naturally occurring, biodegradable alcohol that is one of the most abundant organic compounds in the environment. This alcohol is used as an environmental solution to clean up sensitive waterways and added to gasoline to improve engine emission levels.

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Aerosol	<b>Appearance:</b>	Colorless liquid
<b>Odor:</b>	Not Available	<b>Odour Threshold:</b>	Not Available
<b>Specific Gravity (Aerosol):</b>	0.809	<b>Specific Gravity (Liquid):</b>	0.790-0.830
<b>Aerosol Vapour Pressure (psig, 21°C):</b>	100-120	<b>Evaporation Rate (n-Butyl Acetate = 1):</b>	> 1
<b>Vapour Density (Air=1):</b>	> 1	<b>pH:</b>	Not Available
<b>Boiling Point liquid:</b>	64.5°C (148°F)	<b>Melting/Freezing Point (°C):</b>	Not Available
<b>Flash Point, Method:</b>	Closed cup: 12.0 °C (53 °F)	<b>Flashback:</b>	Yes
<b>VOC Content:</b>	Not Available	<b>Solubility in water:</b>	Soluble
<b>Aerosol Flame Projection:</b>	> 100 cm	<b>Auto Ignition Temperature:</b>	465 °C/869 °F
<b>Lower Flammable Limit (% Vol):</b>	2.6	<b>Upper Flammable Limit (% Vol):</b>	36.5
<b>Viscosity:</b>	Thin		

## STORAGE & HANDLING

<b>Precautions for Safe Handling:</b>	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid contact with eyes, skin, and clothing. Avoid breathing vapour of this product. Avoid contact with skin and eyes. Avoid prolonged exposure. Use in well-ventilated areas.
<b>Conditions for Safe Storage including any Incompatibilities:</b>	Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C (122°F). Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials.
<b>Special Shipping Requirements:</b>	Not considered hazardous when shipping by Ground.



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