



AeroShell Compound 07

Glycol for aircraft de-icing

AeroShell Compound 07 is a de-icing fluid composed of ethylene glycol, isopropyl alcohol or ethanol and distilled water.

Specification DTD.406B requires the product to have the following approximate composition:

Ethenediol (BS.2537) 85% volume

Isopropanol (BS.1595) 5% volume or Alternative Ethanol 5 % volume

Distilled water 10% volume

DESIGNED TO MEET CHALLENGES

Main Applications

AeroShell Compound 07 is used for in-flight de-icing of windscreens, propellers, wings, tailplanes, etc. on suitably equipped aircraft.

AeroShell Compound 07 is also recommended for removing hoar frost and light snow/ice from parked aircraft.

AeroShell Compound 07 can be sprayed undiluted or mixed with up to 50% volume of water, depending upon the severity of the icing conditions, the efficiency of the spraying technique and whether it is applied hot or cold.

Specifications, Approvals & Recommendations

- DTD.406B (obsolete)
- NATO Code S-745
- Joint Service Designation AL-5

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties	Method	DTD.406B	Typical
Density @15.5°C kg/l		1.092 to 1.097	1.096
Kinematic Viscosity @20°C mm ² /s		11.0 to 13.0	12.8
Cold Test @-40°C		No Deposition	Complies
pH value		6.0 to 7.5	6.1
Conductivity micromho/cm		5.0 max	0.1
Miscibility with water @15°C		Must pass	Passes

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

▪ Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <https://www.epc.shell.com>

▪ Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

▪ Advice

Advice on applications not covered here may be obtained from your Shell representative.