Technical Data Sheet

AeroShell Compound *07*

AeroShell Compound 07 is a de-icing fluid composed of ethylene glycol, isopropyl alcohol and distilled water. Specification DTD.406B requires the product to have the following approximate composition:
Ethanediol (BS.2537) 85% volume
Isopropanol (BS.1595) 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

- Approved DTD.406B (British)
- 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			DTD.406B	Typical
Flashpoint (Cleveland Open Cup)		°C	–	54.4
Kinematic viscosity	@20°C	mm^2/s	11.0 to 13.0	11.4
Cold Test	@-40°C		No Deposition	Complies
pH value			6.0 to 7.5	6.9
Conductivity		micromho/cm	5.0 max	0.5
Density	@15°C	kg/l	1.092 to 1.097	1.094
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**
  Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from http://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.