

# SAFETY DATA SHEET

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PRINT DATE: 02/06/1998

REF: AST300

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product name:** **ASTAPOL**  
**Product code:** AST300  
**Supplier:** **AUTOMATION FACILITIES**  
**H.K. Wentworth Ltd.,**  
**Wentworth House, Blakes Road,**  
**Wargrave, Berkshire, RG10 8AW, United Kingdom.**  
**Emergency telephone number:** **0118 9404031** **Fax No: 0118 9403084**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Identification of the preparation

Chemical Name	CAS-No	EC-No	Class	Weight %
~PROPAN-2-OL	67-63-0	200-746-9	F; R11 (Sweden: V; R320/322, R313)	15
WHITE SPIRIT	64742-82-1	265-185-4	F; R10, Xn; R65, 52/53	< 3
GLUTARALDEHYDE	113-30-8	-	-	< 1
1,1,1,2-TETRAFLUOROETHANE (134a)	811-97-2	213-377-0		< 8
1,1-DIFLUOROETHANE (152a)	75-37-6	200-866-1	F+; R12	< 3
NON HAZARDOUS CONSTITUENTS				< 75

## 3. HAZARDS IDENTIFICATION

**Most important hazards:** Non hazardous.  
**Specific hazards** Aerosol dispensers, compressed liquefied gas. High concentration of vapours may induce unconsciousness / narcosis. May cause skin irritation and/or dermatitis.

## 4. FIRST AID MEASURES

**General advice:** Remove from exposure, lie down.  
**Inhalation:** Move to fresh air  
**Skin contact:** Wash off immediately with soap and plenty of water. Treat frostbitten areas as needed  
**Eye contact:** Flush eye(s) immediately with plenty of water. If eye irritation persists, consult a specialist.  
**Ingestion:** Clean mouth with water and drink afterwards plenty of water. Consult a physician if necessary.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Extinguish with carbon dioxide, dry chemical, foam or waterspray.  
**Extinguishing media which must not be used for safety reasons:** Not applicable.  
**Specific hazards:** Not applicable.  
**Special protective equipment for firefighters:** Wear self contained breathing apparatus for fire fighting if necessary

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions:</b>	Wear suitable gloves and eye/face protection
<b>Environmental precautions:</b>	No special environmental precautions required.
<b>Methods for cleaning up:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

<b>Handling:</b>	Use only in well-ventilated areas. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. When using, do not eat, drink or smoke.
<b>Storage:</b>	Keep containers tightly closed in a cool, well-ventilated place < 45°C

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Chemical Name:</b>	<b>National occupational exposure limits: HSC(EH40)</b>
~PROPAN-2-OL	Long term (8 hrs) = 400ppm / 999mgm <sup>-3</sup> Short term (15 min) = 500ppm / 1250mgm <sup>-3</sup>
WHITE SPIRIT	Long term (8 hrs) = 100ppm / 575mgm <sup>-3</sup> Short term (15 min) = 125ppm / 720mgm <sup>-3</sup>
GLUTARALDEHYDE	Short term (15 min) = 0.2ppm / 0.7mgm <sup>-3</sup>
1,1,1,2-TETRAFLUOROETHANE (134a)	Long term (8 hrs) = 1000ppm / 4240mgm <sup>-3</sup>
1,1-DIFLUOROETHANE (152a)	Long term (8 hrs) = 1000ppm (manufacturers recommendation)
NON HAZARDOUS CONSTITUENTS	

<b>Engineering measures:</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal protection equipment:</b>	
- <b>Respiratory protection:</b>	No special precautions required.
- <b>Hand protection:</b>	Latex gloves.
- <b>Eye protection:</b>	No special precautions required.
- <b>Skin and body protection:</b>	No special precautions required
<b>Hygiene measures:</b>	In accordance with local and national regulations.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form:</b>	liquid
<b>Colour:</b>	colourless
<b>Odour:</b>	lavender
<b>pH:</b> ( 20 °C)	6-7
<b>Boiling point/range:</b>	100 °C
<b>Flash point:</b>	does not flash °C
<b>Vapour pressure:</b> ( 20 °C)	23.5 hPa
<b>Bulk density:</b>	1000 kg/m <sup>3</sup>

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable.
<b>Conditions to avoid:</b>	No conditions to be specially mentioned
<b>Materials to avoid:</b>	strong oxidizing agents
<b>Hazardous decomposition products:</b>	No decomposition if stored and applied as directed

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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not applicable
Local effects:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea
Sensitization:	Not applicable
Long term toxicity:	No persistent or cumulative effects were observed
Chronic toxicity:	Not applicable

## 12. ECOLOGICAL INFORMATION

Mobility:	Soluble in water.
Persistence and degradability:	Readily biodegradable, according to appropriate OECD test
Bioaccumulation:	Not applicable
Ecotoxicity effects:	Not applicable

## 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	In accordance with local and national regulations.
Contaminated packaging:	Do not pierce or burn even when empty

## 14. TRANSPORT INFORMATION

UN-No: 1950

### ADR/RID

Class: 2                      Item: 5 °A  
Proper shipping name: Aerosol dispensers

### IMO

Class: -                      IMDG Page: -  
EmS: -                      MFAG: -  
Proper shipping name: not a dangerous substance as defined in the above regulations

### ICAO

Class: 2.2                      UN/ID No: 1950  
Proper shipping name: Aerosols, 20

## 15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 90/492/EEC

- Contains:
- Symbol(s):

R-phrases:

S-phrases: S2 - Keep out of reach of children. S3 - Keep in a cool place..

## 16. OTHER INFORMATION

Recommended use:

Recommended restrictions:

Revision number: 5

Further information: CN no: 38140090  
Contact Name: Carolyn Booth  
Department: Technical

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