PRODUCT SAFETY DATA SHEET

1) IDENTIFICATION

Product Name: Horolene Concentrate
Supplier: Horological Solvents Ltd
Proctor Street, Bury, Lancs. BL8 2NY
Telephone : 0161 764 2741

2) COMPOSITION / INFORMATION ON INGREDIENTS

Ammonia : (Alkali) : 10 – 12%
Contains mixed flammable solvents.

3) HAZARDS IDENTIFICATION

Eye Contact: Will cause severe irritation and eye damage.
Skin Contact: Causes burns. Irritant.
Inhalation: Irritation, narcotic in high concentrations.
Ingestion: May cause burns to gut.
Flammability: Highly flammable.

4) FIRST AID MEASURES

Eye Contact: Rinse immediately with plenty of water, holding eyelids apart, continue for 10 minutes. Seek medical advice.
Skin Contact: Remove contaminated clothing. Wash skin with soap & water. Seek medical advise if burns occur.
Inhalation: In case of over exposure, remove to fresh air. Keep warm and at rest. Seek medical advice.
Ingestion: Rinse mouth with water and give plenty of water to drink. Do not induce vomiting, seek medical advice.

5) FIRE FIGHTING MEASURES

Use foam, dry powder or CO^2.

6) ACCIDENTAL RELEASE

Take the necessary precautions to prevent contact. Shut off leaks if this can be done without personal risk. Contain the spillage if possible. Keep the area clear. Absorb the liquid on sand or other inert material. Keep away from any naked lights or very hot surfaces. Allow the solvent fumes to evaporate in an open space if possible. Observe local Authority Regulations in disposal.

7) HANDLING & STORAGE

Store in a cool dry place, away from strong acids or oxidising agents and sources of ignition. Keep out of reach of children.

8) EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection:	Wear eye protection if splashing is likely.
Hand Protection:	Wear impervious gloves.
Body Protection:	As necessary to prevent skin contact.
Respiratory:	Avoid breathing vapour. Use in a well ventilated area with properly adjusted respiratory equipment if exposure to high vapour levels is likely.

9) PHYSICAL & CHEMICAL PROPERTIES

Appearance:	A golden brown liquid.
Odour:	Characteristic strong ammonia odour.
PH:	> 12
Boiling Point:	56°c
Flash Point :	0°F
Auto-ignition temp:	865°F
Explosive Properties:	Not applicable.
Oxidising Properties:	None
Vapour Pressure:	24.7 at 20°c
Relative Density:	at 20°c (typical) : 0.88
Solubility:	Miscible with water
Viscosity:	Free flowing

10) STABILITY AND REACTIVITY

Hazardous Reactions:	Incompatible with strong oxidising agents and acids.
Hazardous Decomposition:	None known
Hazardous Polymerisation:	Will not occur.
Stability:	Stable under normal conditions.

11) TOXICOLOGICAL INFORMATION

Eye Contact:	Will cause severe irritation and damage.
Skin Contact:	Causes burns.
Inhalation:	Exposure to vapour at high concentration will cause irritation, nausea, loss of consciousness.
Ingestion:	Irritation of gastro intestinal tract, moderate toxicity.
Long Term:	Irritation of gastro intestinal tract, moderate toxicity

12) ECOLOGICAL INFORMATION

Do not allow this product to enter water courses. Product biodegradable with time.

13) DISPOSAL

Consult national and local regulation.
Dispose of via a reputable chemical waste disposal contractor.

14) TRANSPORT INFORMATION

UN Number 2672 for transport.
Shipping Classification: Flammable liquid (UN Class 3.2)
Transport Category : 3

15) REGULATORY INFORMATION

(C)	Corrosive
(R34)	Causes burns.
(R37)	Irritation to respiratory system.

Occupational Exposure Limits :	Ammonia	= 25 ppm	TWA 8hr
	Acetone	= 750 ppm	TWA 8hr
	Butyl Acetate	= 150 ppm	TWA 8hr
	Ethanol	= 1000 ppm	TWA 8hr

(16) OTHER INFORMATION

Further information can be found in various publications, a list of which may be obtained from the Health & Safety Executive.

It is for users to satisfy themselves of the suitability of this product for their own applications. This information is believed to be accurate at the time of printing, and is given in good faith.

Date of issue: 31st March 2000