

# DATA SHEET



Producers of Solvents,  
Polishes & Specialised Cleaners

## HORELEX RUST REMOVER

### Product Description

A free-flowing liquid preparation for removing rust from ferrous metals. Based on phosphoric acid, speciality detergents together with inhibitors and synergists it is both fast and effective.

### Directions

Use plastic or rubber gloves when handling and polythene or other plastic resistant containers. Pour sufficient Horelex into a shallow tray to cover the component. This should be left for about ten minutes or longer if the part is very rusted. Remove and rinse in clean water, dry quickly and thoroughly to prevent further oxidation.

### HEALTH & SAFETY

Xi	Irritant
R36/38	Irritating to eyes and skin.
S2	Keep out of reach of children.
S24/25	Avoid contact with skin & eyes.
S36/37/39	Wear suitable protective clothing, gloves / eye protection.

## PRODUCT SAFETY DATA SHEET

### 1) IDENTIFICATION

Product Name: Horex Rust Remover  
Supplier: Horological Solvents Ltd  
Barnside, 194 Wellington Road, Bury, Lancs. BL9 9AH  
Telephone: 0161 764 2741

### 2) COMPOSITION / INFORMATION ON INGREDIENTS

Based on phosphoric acid and speciality detergents together with small amounts of inhibitors and synergists.

Contains 10 – 16% phosphoric acid.

### 3) HAZARDS IDENTIFICATION

Eye Contact: Will cause severe irritation and damage.  
Skin Contact: Prolonged skin contact may cause irritation.  
Inhalation: Unlikely, non volatile product.  
Ingestion: May cause gastric upset and irritation of gut.  
Flammability: Non 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 and water.  
Ingestion: Rinse mouth with water and give plenty of water to drink. Do not induce vomiting, seek medical aid.

### 5) FIRE FIGHTING MEASURES

Use foam, dry powder or CO<sub>2</sub>.

### 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. Neutralise with Soda Ash before flushing to sewer.

### 7) HANDLING & STORAGE

Store in original container, away from strong alkalis and bleach. 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.

## 9) PHYSICAL & CHEMICAL PROPERTIES

Appearance: A clear colourless liquid  
Odour: Characteristic ammonia & solvent odour  
pH: Typically 1.0  
Flash Point: N/A  
Auto-ignition temp: N/A  
Explosive properties: N/A  
Oxidising properties: None  
Vapour pressure: N/A  
Relative density at 20°C (typical) 1.05  
Solubility: Miscible with water.  
Viscosity: Free Flowing.

## 10) STABILITY & REACTIVITY

Hazardous Reactions: Incompatible with alkalis & bleach.  
Hazardous decomposition: Phosphorus oxides  
Hazardous polymerisation: Will not occur.  
Stability: Stable under normal conditions

## 11) TOXICOLOGICAL INFORMATION

Eye Contact: Will cause irritation if not washed out  
Skin Contact: Causes irritation on prolonged contact.  
Ingestion: Irritant to gastro intestinal tract.  
Long Term: Ingredient not known to be mutagenic or carcinogenic.

## 12) ECOLOGICAL INFORMATION

Do not allow this product to enter water sewer unless neutralised.

## 13) DISPOSAL

Consult national and local regulations.

## 14) TRANSPORT INFORMATION

Not classified for transport.  
Shipping Classification : (UN Class 3.2)  
Customs Tariff Code : 2809/2000

## 15) REGULATORY INFORMATION

Xi - Irritant. Avoid contact with skin & eyes

## 16) OTHER INFORMATION

Further information can be found in various publications. 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: March 2004