

PRODUCT SAFETY DATA SHEET

HOROSONIC WATCH, CLOCK & INSTRUMENT CLEANER

Product Description

(Ammonia Free)

A reliable cyanide free, ammonia free, non-aqueous cleaner for removing grease, oil, soils, gums and tarnish from clock, watch and instrument parts. For use in watch cleaning machines and ultrasonic tanks.

Directions

Agitate the parts in a bath of the Horosonic Cleaner for a few minutes. Remove the cleaned parts, and drain thoroughly. Agitate the cleaned parts in a bath of Horosonic Rinse and drain again. Repeat, using a second bath of clean Rinse. Please refer to product safety data sheet before use. Only use as directed.

PRODUCT SAFETY DATA SHEET

(1) IDENTIFICATION

Product Name: Horosonic Cleaner
Supplier: Horological Solvents,
Barnside, 194 Wellington Road, Bury, Lancs. BL9 9AH
Tel: 0161 764 2741
Fax: 0161 764 8696

(2) COMPOSITION / INFORMATION ON INGREDIENTS

Material	CAS number	Level	Hazards (see section16)
Hydrocarbon Solvent	8008-20-6	70-100%	Xn R65 R10 R66 N R51/53
Monoethanolamine	141-43-5	1-5%	Xi R36/38 R20
Nonionic surfactant	68131-39-5	0.5 – 2.0%	Xi R41 N R50

(3) HAZARDS IDENTIFICATION (Undiluted Product)

Chips Classification : Dangerous for the environment

Eye Hazard: Will cause discomfort
Skin Hazard: Prolonged or repeated contact may cause irritation/dryness.
Respiratory Hazard: Not a hazard in normal use. Excessive exposure may cause irritation of the respiratory tract, headache, dizziness and nausea.
Flammability Hazard: Flammable

(4) FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water, holding eyelids apart for at least 10 minutes. Seek medical assistance immediately.
Skin Contact: Remove contaminated clothing, wash skin using a proprietary cleaner. Seek medical attention if irritation persists.
Inhalation: In case of over exposure, remove to fresh air. Keep warm and at rest, Seek medical assistance immediately.
Ingestion: Do not induce vomiting. Seek medical assistance immediately.

(5) FIRE FIGHTING MEASURES

Use foam, dry powder or carbon dioxide.

(6) ACCIDENTAL RELEASE

Absorb using sand or other inert material and transfer to suitable containers for disposal.

(7) HANDLING & STORAGE

Store in a cool, dry place protected from frost and away from acids, strong oxidising agents and sources of ignition. Store upright in original containers.

Shelf life : 24 months in good conditions.

(8) EXPOSURE CONTROLS / PERSONAL PROTECTION

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye Protection: Wear eye protection to BS EN 166 1F if splashing is likely.
Hand Protection: Wear nitrile or neoprene gloves. Exact choice of glove depends on specific risk assessments
Body Protection: As necessary to prevent contact.
Respiratory: Use in a well ventilated area. Avoid breathing vapour or spray. Wear a respirator if necessary.

Personal protective equipment : Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Occupational exposure limits

Hydrocarbon Solvent	600mg/m ³	OES 8 hour TWA
Monoethanolamine	7.6mg/m ³	OES 8 hour TWA

(9) PHYSICAL & CHEMICAL PROPERTIES

Appearance: Golden brown liquid
Odour: Characteristic
PH: Not applicable
Boiling Point: 154°C
Melting Point: Not applicable
Flash Point: 40°C
Auto Ignition Temp. 225°C
Explosive Properties: Not applicable.
Oxidising Properties: Not applicable
Vapour Pressure: 5mm Hg at 20°C
Relative Density: at 20°C (typical) : 0.837
Solubility: Emulsifies with water
Viscosity: Free flowing.

(10) STABILITY & REACTIVITY

Conditions to avoid: Extremes of temperature.
Materials to avoid: Incompatible with strong oxidising agents and acids
Hazardous Decomposition Products : May produce toxic fumes in fire.

(11) TOXICOLOGICAL INFORMATION

Eye Contact: Will cause discomfort
Skin Contact: Prolonged or repeated contact may cause dryness / cracking.
Inhalation: Excessive exposure may cause irritation of the respiratory tract, headache, dizziness and nausea.
Ingestion: Moderate toxicity, will cause irritation and damage to gastrointestinal tract.
Long Term: Based on current knowledge, no long term effects are anticipated if used correctly.

(12) ECOLOGICAL INFORMATION

All organic ingredients are biodegradable when well diluted.
May affect aquatic organisms due to hydrocarbon content if released into water courses untreated.

Volatile organic content 80% w/w 669.6 g/lit

(13) DISPOSAL CONSIDERATIONS

Dispose of surplus product and packaging via a licensed chemical waste contractor.

(14) TRANSPORT INFORMATION

Transport Classification :	Flammable
UN Number :	1993
Transport Class :	3
Packing Group :	3

(14) REGULATORY INFORMATION

Chip Classification : Dangerous for the environment

Product risk and safety phrases

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

R66 Repeated exposure may cause skin dryness or cracking.

R10 Flammable

S2 Keep out of reach of children

S24/25 Avoid contact with skin and eyes

S37 Wear suitable gloves.

Relevant UK law : Chemicals (hazard information and packaging) Regulations (CHIP) Control of substances hazardous to health regulations (COSHH, COSHH essentials). For guidance see www.hse.gov.uk, www.dti.gov.uk/chemicals.

(15) OTHER INFORMATION

R phrases relating to ingredients (see section 2)

R10 Flammable

R 20 Harmful by inhalation

R36 / 38 Irritating to eyes and skin.

R 41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

R65 Harmful, may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking

This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications

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