PRODUCT SAFETY DATA SHEET

HOROSOLV DEGREASER

Product Description

A cold cleaning and degreasing solvent based on Benzene, used as a general cleaner and to degrease clock parts, including hairsprings.

Directions

Place hairspring or other oily component in a shallow tray, cover with the liquid and leave for 1 minute. Can be used on larger items for cleaning and degreasing but a longer period of immersion will be required. Make a small scale test on any kind of substance being cleaned for the first time.

HEALTH & SAFETY

UN No. 1993

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(1) IDENTIFICATION

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

(2) COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients :	SBP 3 (100/120) > 90%
CAS No:	64742-49-0 F : R11 Xn : R65, R66, R67 N : R51/53

(3) HAZARDS IDENTIFICATION

Main Hazards :	Highly Flammable Harmful, may cause lung damage if swallowed Repeated exposure may cause skin dryness & cracking. Vapours may cause drowsiness and dizziness Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

(4) FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Skin Contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask of self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison centre or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion:	Get medical attention immediately. Call a poison centre or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. If unconscious, place in recovery position and get medical attention immediately.

(5) FIRE FIGHTING MEASURES

Extinguishing Media :	In case of fire, use water spray (fog), foam, dry chemical or CO_2. Do not use water jet.
Special Hazards	Highly flammable liquid and vapour. If a fire or if heated, a pressure increase will occur and the container may burst with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. Keep run off water out of sewers and water sources.
Protection for Fire-fighters	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

(6) ACCIDENTAL RELEASE

Personal Precautions / Clean Up Procedures:	Refer to Section 8 of SDS for personal protection details **Small Spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a license waste disposal contractor. **Large Spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements and confined areas. Contain and collect spillage with non-combustible, absorbent material e.g sand, earth, vermiculite and place in container for disposal according to local regulations. Dispose of via a license waste disposal contractor. Contaminated absorbent materials may pose the same hazard as a spilt product. Do not use equipment in clean-up procedure which may produce sparks.
Environmental Precautions	Do not discharge into drains or rivers.

(7) HANDLING & STORAGE

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Store in a cool, well ventilated area, keeping container tightly closed when not in use, and away from sources of ignition. Avoid the formation or spread of mist in the air. Eating, drinking and smoking should be prohibited in areas where this material is handled , stored or processed.

(8) EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection:	Safety glasses. Ensure eye bath is to hand.
Hand Protection:	Impermeable gloves.
Skin Protection:	Impermeable protective clothing.
Respiratory:	Self–contained breathing apparatus must be available in case of emergency.
Hazardous Ingredients	SBP 100/120
Occupational Exposure	No exposure limit value known.
Engineering Measures	Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

(9) PHYSICAL & CHEMICAL PROPERTIES

Appearance:	A clear colourless liquid.
Odour:	Characteristic, Hydrocarbon
Flashpoint	Closed cup : 2^{o}c (Pensky-Martens)
Melting Point / freezing point	<-20^{o}c
Boiling Point / boiling range	105 to 135^{o}c
Vapour Pressure	2.5kPa (20^{o}c)
Relative Density	745
Solubility	Insoluble in the following materials : cold water and hot water

(10) STABILITY & REACTIVITY

Stability:	Stable under normal conditions. Stable at room temperature
Conditions to Avoid:	Heat, hot surfaces. Sources of ignition. Flames.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced. In combustion emits toxic fumes.

(11) TOXICOLOGICAL INFORMATION

Routes of Exposure :	Refer to Section 4 of SDS for routes of exposure and corresponding symptoms.

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12) ECOLOGICAL INFORMATION

Readily absorbed into soil. Biodegradable. Negligible ecotoxicity. No bioaccumulation potential.

13) DISPOSAL

Transfer to a suitable container and arrange for collection by specialised disposal company. The users attention is drawn to the possible existence of regional or national regulations regarding disposal.

14) TRANSPORT INFORMATION

UN number 1993
Shipping Name : Hydrocarbon, Flammable Liquid
Packing Group : II

15) REGULATORY INFORMATION

Product risk phrases referred to under sections 2 & 3

R11 Highly flammable.
R65 Harmful : May cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Product H-Statements referred to under sections 2 & 3
H225 Highly flammable liquid and vapour
H304 May be fatal if swallowed and enters airways.
H336i May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Full text of classifications (CLP/GHS)

Aquatic Chronic 2, H411	Aquatic toxicity (Chronic) Category 2
Asp. Tox. 1, H304	Aspiration Hazard – Category 1
Flam liq. 3, H226	Flammable Liquids – Category 3
STOT SE 3, H336i	Specific target organ toxicity (single exposure) Inhalation (Narcotic effects) Category 3
Full text of classifications	F – Highly Flammable Xn – Harmful N – Dangerous for the environment

16) OTHER INFORMATION

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.
Date : Nov 2013