

MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION

Name: Chloride Thiocyanate Single Liquid

Manufacturer: **Prestige Diagnostics U.K Ltd.,
40/41 Ballymena Business Centre
Galgorm, Co.Antrim, BT42 1FL
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Cat No. MPRCL01, MPRCL02

1. COMPOSITION/INFORMATION ON INGREDIENTS

CAS	CHEMICAL NAME	%	EC NUMBER EINECS / ELINCS	EC INDEX NUMBER	SYMBOL	R PHRASES
NA	NA	NA	NA	NA	C	35
592-85-8	Mercury(II) thiocyanate	0,1≤C<0,5	209-773-0	080-002-00-6	Xn	20/21/22-33

Section 2: HAZARDS IDENTIFICATION

Causes severe burns. Harmful by inhalation, if swallowed and in contact with skin. Danger of cumulative effects.

Section 3: FIRST-AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, lifting the upper and lower eyelids. Seek immediate medical advice. **Skin:** Wash skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical aid if irritation develops or persists. **Ingestion:** Drink large amounts of water. Induce vomiting. Drink milk neat or mixed with raw eggs. Never provide drink or induce vomiting in the event of loss of consciousness. Get medical aid immediately. **Inhalation:** Remove from exposure and move to fresh air immediately. Get medical aid immediately. **Notes to Physician:** Treat symptomatically and supportively.

Section 4: FIRE-FIGHTING MEASURES

Keep away from sources of ignition. **Extinguishing Media:** As appropriate to the environment. **Thermal decomposition:** In the event of fire, toxic fumes may form: Hg, HCN.

Section 5: ACCIDENTAL RELEASE MEASURES

After spillage: Avoid contact with the skin, eyes or clothing. Do not inhale the dust. Use proper personal protective equipment as indicated in Section 8. Vacuum or sweep up material and place into a suitable disposal container. Clean well with water.

Section 6: HANDLING AND STORAGE

Handling: No special indications. **Storage:** Store in a cool place in the original container and protect from sunlight. Keep container closed when not in use.

Section 7: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: If gas or dust formation occurs. Always use a European Standard EN 149 approved respirator when necessary. **Hand protection:** Wear appropriate protective gloves to prevent skin exposure. **Eye protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by European Standard EN166. **Hygiene measures:** Wash hands before breaks and after work. Do not eat, drink or smoke in the workplace.

Section 8: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: R, STANDARD Liquid Solution.
Colour: R Soft yellow color. STANDARD Clear and transparent

Odour: Odourless
pH value: <2.0
Boiling point: -
Melting point: -
Flash point: -
Ignition temperature: -
Explosion limits: -
Vapour pressure: -
Density: -
Solubility in water: yes
Viscosity: -

Section 9: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures. **Conditions to Avoid:** High temperature **Incompatibilities with Other Materials:** Strong Reducing agents. **Hazardous Decomposition Products:** In the event of fire: see section 5.

Section 10: TOXICOLOGICAL INFORMATION

Quantitative data on the toxicity of this product are not available. The following applies to inorganic Hg compounds.

11.1 Acute toxicity CAS# 592-85-8: **LD50 oral:** **LD50 skin:** mouse: LD50 = 24.5 mg/kg rat: LD50 = 685 mg/kg. rat: LD50 = 46 mg/kg.

11.2 Dangerous health effects

Mercury compounds have toxic effects on cells and protoplasts. Symptoms due to intoxication of Hg: Acute effects: Through contact with the eyes: Severe injuries. If swallowed and inhaled: tissue lesions in the gastrointestinal (metallic taste, nausea, vomiting, stomach pains, intestinal disorders, burns.) and respiratory tract (edemas, pneumonia). Can cause blood alterations, arrhythmia, collapse, kidney problems. Chronic effects: Buccal infections, mercury halo, risk of loss of teeth. Risk of effects on the central nervous system (sensitization, sight disorders, hallucinations, dizziness). Other dangerous characteristics are not discarded.

Section 11: ECOLOGICAL INFORMATION

Ecological data for this product is not available. This applies to inorganic Hg compounds: The ecotoxicity is due to the mercury ion. Toxic product in any environment. EC50 test: Bacteria (*P. phosphoerum*): 0.046 mg/L; Algae (*M. aeruginosa*): 0.005 mg/L Fish (*Salmonidae*): 0.05 mg/L; Fish (*P. promelas*): 0.19 mg/L;

Section 12: DISPOSAL CONSIDERATIONS

Accordance with local regulations should be observed. Handle contaminated packaging in the same way as the substance itself.

Section 13: TRANSPORT INFORMATION

This product is not subject to current regulations for transportation of hazardous goods.

Section 14 REGULATORY INFORMATION

SYMBOL	Xn, C	Harmful, Corrosive
R PHRASES	20/21/22-33,35	Harmful by inhalation, in contact with skin and if swallowed. Danger of cumulative effects. Causes severe burns.
S PHRASES	13-28-45-60-61	Keep away from food, drink and animal feeding stuffs. After contact with skin, wash immediately with plenty of water. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). This material and its container must be disposed of as hazardous. Avoid release to the environment. Refer to special instructions/safety data sheets.

Section 15: OTHER INFORMATION

This product is intended for *in vitro* diagnostic use only. **Not for use in humans.** The information herein is believed to be correct as of the date hereof and excludes any guarantee related with the final use given to the product, being the recipient the last responsible for observing the local laws applicable in each case.