



MSDS – Material Safety Data Sheet
Product name: M.M.C. PROPOXYPHENE TEST
MSDS No.: PPX0110

I. Basic Information:
Manufacturer: M.M.C. International BV

Address: Frankenthalerstraat 16-18

City, ST Zip: Breda, 4816 KA

Emergency Contact: Local authorities

Emergency Telephone Number: For example in most of Europe 112 (911 for US)

Contact: M.M.C. Headoffice

Information Telephone Number: +31-76-5711140

Last Update: 11/27/2012

Expiration Date:
Chemical State: ☒ Liquid ☐ Gas ☐ Solid

Chemical Type: ☐ Pure ☒ Mixture

II. Ingredients:
☐ Trade Secret (N/D = Not Disclosed)

CAS No.	Chemical Name	% Range				ACGIH TLV	Other Limits
64197	Acetic acid	5					
3017605	Cobalt (II) thiocyanate	<1,5					
56815	Glycerine	50					390 F
7732185	Water (Distilled)	>43,5					212 F

III. Hazardous Identification:
Hazard Category:
☒ Acute

☒ Chronic

☐ Fire

☐ Pressure

☐ Reactive

Hazardous Identification Information:

May be harmful if inhaled, ingested, or absorbed by the skin. Respiratory and digestive tract irritant. Skin and eye irritant. May have central nervous system effects.

The chemical, physical, and toxicological properties of cobalt (II) thiocyanate have not been thoroughly investigated.

IV. First Aid Measures:
Route(s) of Entry:

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Chronic: Nausea, headache, vomiting

Signs and Symptoms:



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Ingestion: Nausea, vomiting, diarrhea, abdominal cramps, red lesions on the skin and mucous membranes, delirium, convulsions, coma

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory, pulmonary, thyroid, kidney, liver, testicular diseases

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen (To be administered by qualified medical personnel only!) Get medical attention.

Ingestion: If victim is conscious and alert, wash out mouth with water and give victim plenty of water to drink. (Never give anything by mouth to an unconscious person!) Get medical attention immediately.

Skin: Flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Seek medical attention.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do not allow victim to rub or keep eyes closed. Get medical aid immediately.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: 390 F

Lower Explosive Limit: NE

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Carbon dioxide, dry chemical powder, appropriate foam, water fog or fine spray

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. DO NOT use direct streams of water.

Unusual Fire and Explosion:

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged and then disposed of according to local, state, and federal regulations.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Wear vapor respirator, safety goggles, and rubber gloves. Remove sources of ignition (i.e. open flames, sparks). Dike if necessary. Dilute with water and add slight excess of soda ash. Mix and neutralize with 6M HCl. Soak up with inert absorbent material (sand or earth recommended; do not use flammable substances such as sawdust). Ventilate and wash spill site after collection. Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Precautions to be Taken:

Keep in tightly closed container. Keep cool and dry. Protect from direct sunlight and moisture. Store between 64F and 130 F. Avoid incompatible materials. Use only in well-ventilated areas. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Be prepared to neutralize and absorb spilled thiocyanate.

Other Precautions:

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged and then disposed of according to local, state, and federal regulations.



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VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, neoprene or gauntlet gloves, vapor respirator, protective clothing

IX. Physical and Chemical Properties:

Boiling Point: ~212 F

Melting Point: ~64 F

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): 3

Specific Gravity (H₂O = 1):

Vapor Density (AIR = 1): 3.1

Solubility In Water: Soluble

Appearance and Odor: Pink liquid

Other Information:

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Moisture, acids, oxidizing agents, chlorates, nitrates, organic peroxides, ignition sources (heat, open flame, spark), light, bases, reducing agents, potassium, acid anhydrides

Decomposition/By Products:

Cyanides, sulfur oxides, acrolein, carbon monoxide & dioxide, boron oxides, aldehydes

Hazardous Polymerization:

Not applicable for polymerization.

XI. Toxicological Information:

The toxicological properties of cobalt (II) thiocyanate have not been thoroughly investigated.

XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life. Do not allow to enter soil.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

XIV. Transport Information:



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Keep in tightly closed container. Keep cool and dry. Protect from direct sunlight and moisture. Transport between 64F and 130 F. Avoid incompatible materials. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Be prepared to neutralize and absorb spilled thiocyanate.

XV. Regulatory Information:

None available

XVI. Other Information:

Using this product under normal, properly instructed procedures should not be hazardous.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.