Canvax Reagents, S.L.
Luis de Mercado Street, 19
Boecillo Technological Park
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MATERIAL SAFETY DATA SHEET
PRImeZOL™ Reagent

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1. PRODUCT DETAILS

Trade Name: PRImeZOL™ Reagent

Catalog Number: AN1100

1.2. COMPANY DETAILS

Supplier: Canvax Reagents S.L., Luis de Mercado St. 19, Boecillo Technological Park, Valladolid (Spain)

1.3. EMERGENCY TELEPHONE NUMBER

Emergency Telephone Number: +34 931768545

2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification (67/548/CEE) or (1999/45/CE):

Acute oral toxicity	Category 3
Acute dermal toxicity	Category 3
Acute inhalation toxicity – Dusts and Mists	Category 2
Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Specific target organ systemic toxicity (repeated exposure)	Category 2
Mutagenicity	Mutagenic Category 2

Physical Hazards: not classified

Health Hazards: See section 2.2.

Environmental Hazards: not classified.

2.2. LABEL ELEMENTS



H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

H314 Causes severe skin burns and eye damage.

H341 Suspected of causing genetic defects.

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H373 May cause damage to organs through prolonged or repeated exposure

H412 Harmful to aquatic life with long lasting effects

2.3. PREVENTIVE ADVICE

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+ P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P309+P311 IF exposed or if you feel unwell: call a POISON CENTER or doctor/physician.

P280 Wear protective gloves / protective clothing / eye protection / face protection

P281 Use personal protective equipment as required

P284 Wear respiratory protection

P271 Use only outdoors or in a well-ventilated area.

P260 Do not breath dust/ fume / gas / mist / vapours / spray

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P264 Wash hands thoroughly after handling

P273 Avoid release to the environment

2.4. OTHER HAZARDS

None known

3. CHEMICAL CHARACTERIZATION

Product	Substance	CAS-no.	Weight %	Classificaction according to (67/548/CEE) or (199/45/CE)
PRImeZOL™ Reagent	Phenol	108-95-2	25 - 50	Acute Tox. 3 – H302, H332, H312 Skin Corr. 1B – H314 Eye Dam. 1 – H318 Muta. 2 – H341 STOT RE 2 – H373
	Guanidinium thiocyanate	593-84-0	10 - 25	Acute Tox. 3 – H302, H332, H312 Skin Corr. 1B – H314 Eye Dam. 1 – H318 Aquatic Chronic 3 – H412

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4. FIRST AID MEASURES

4.1. DESCRIPTION OF DIRTS AID MEASURES

Inhalation. Toxic by inhalation. Supply fresh air. Call a doctor/physician immediately. If not breathing, give artificial respiration. In case of unconsciousness, place patient stably in side position for transportation.

Ingestion: Call a doctor/physician or Poison Control Centre immediately. Rinse mouth with water, repeatedly. Drink large amounts of water. Do not induce vomiting without medical advice

Skin contact: Immediately wash skin with soap and flush with large amounts of water. Remove all contaminated clothes. Call a doctor/physician immediately

Eye contact: Immediately rinse opened eyes with large amounts of water during at least 15 minutes. Remove contact lenses. Get medical attention in case eye(s) remain irritated

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No data available.

5. FIRE FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

No restriction.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

None known.

5.3. ADVICE FOR FIRE FIGHTERS

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit...) in accordance with Directive 89/654/EC.

6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2. ENVIRONMENTAL PRECAUTIONS

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Absorb with appropriate absorbent material (e.g. sawdust, sand, diatomite, acid binders, universal binders, sodium bicarbonate, crushed limestone, etc) and place in closed adequate containers for proper disposal.

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6.4. REFERENCE TO OTHER SECTIONS

For disposal: see section 13

7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Avoid exposure. Prevent contact with skin, eyes and clothing. Remove all sources of ignition.

7.2. CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES

Store at 2ºC-25ºC. Protect from light. Keep away from open flames and hot surfaces. Keep containers tightly closed in a well-ventilated place

7.3. SPECIFIC END USE(S)

Not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Ingredients with limit values that require monitoring at the workplace: Phenol (CAS: 108-95-2): Long-term value: 2 ppm

8.2. EXPOSURE CONTROLS

Special protective equipment





Eye/face protection: Safety glasses. Used to prevent splash hazards. Government standards such as NIOSH (US) or EN 166(EU).

Hand protection: Protective gloves, use for short times chemical resistant latex gloves with code EN 374-3 level 1.

Other skin and body protection: Wear rubber apron. Wear rubber footwear.

Respiratory protection: If ventilation is insufficient, suitable respiratory protection should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. BASIC INFORMATION ON PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Slightly Red to Red
Odour: Characteristic (phenol, sweet, tarry, pungent)
Danger of explosion. Does not present an explosion hazard
Solubility in water: Miscible

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9.2. OTHER INFORMATION

Not determinated.

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

There are no known reactivity hazards associated with this product.

10.2. CHEMICAL STABILITY

Stable at normal room temperature and when used as recommended.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. CONDITIONS TO AVOID

No specific data.

10.5. INCOMPATIBLE MATERIALS

Not determined.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity:

- Phenol
  Acute oral toxicity (LD50): 270mg/kg (Mouse)
  Acute dermal toxicity (LD50): 630mg/kg (Rabbit)
  Lowest published lethal dose: LDL (Human) Oral route: 140mg/kg
- Guanidine thiocyanate
  Acute oral toxicity (LD50): 571mg/kg (Rat)
  Acute dermal toxicity (LD50): 2000mg/kg (Rat/Rabbit)
  Lowest published lethal dose: LDL (Human) Oral route: no data available.

Primary irritant effect:

- On the skin: Toxic. Corrosive. Causes burns. Components of this product maybe adsorbed though the skin and cause irreversible effects on target organs.
- On the eye: Corrosive. Causes burns. Risk of serious damage to the eyes including blindness.
- Target Organs: Skin. Lungs. Liver. Spleen. Kidney.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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12. ECOLOGICAL INFORMATION

Ecotoxicity: The components of the product are not classified as hazardous to the environment. Large or frequent spills may have harmful effects on the environment.

12.1. TOXICITY

Short-term toxicity may be seen. Toxic effects expected to be limited to Immediate area of environmental release. Any effects expected to be most Pronounced in microorganisms

12.2. PERSISTENCE AND DEGRADABILITY

Inherently biodegradable. Anaerobic Biodegradation Index (BOD20/Th OD): 93% (2.22/2.38 p/p); phenol Aerobic Biodegradation Index (BOD20 /Th OD): >40%, phenol

12.3. BIOACCUMULATION POTENTIAL

No data on bioaccumulation.

12.4. MOBILITY IN THE SOIL

The product is soluble in water.

12.5. PBT AND vPvBm ASSESSMENT RESULTS

This product does not contain substances classified as PBT or vPvB.

12.6. OTHER ADVERSE EFFECTS

Not determined.

13. DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

General information: Waste should be treated as hazardous waste. Dispose of waste to an authorized landfill in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods: Dispose of waste to an authorized landfill in accordance with the requirements of the local Waste Disposal Authority.

14. TRANSPORT INFORMATION

14.1. UN-NUMBER

2810

14.2. UN PROPER SHIPPING NAME

2810 TOXIC LIQUID, ORGANIC, N.O.S. (PHENOL)

14.3. TRANSPORT HAZARD CLASS(ES)

6.1

14.4. PACKAGING GROUP

II

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14.5. ENVIRONMENTAL HAZARDS

Hazardous pollutant substance/marine pollutant: No.

14.6. SPECIAL PRECAUTIONS FOR USER

Warning: Toxic substances

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II MARPOL73/78 AND THE IBC CODE

No information required.

15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

National Provisions: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU Legislation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (as amended).

Guidance: CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. CHEMICAL SAFETY ASSESSMENT

Any chemical safety assessment has been carried out.

16. OTHER INFORMATION

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date: 13/02/2024

Revision: 01

Date of replacement: No previous revision.