

**List** **Material Safety Data Sheet (Documentation Requirements)**

**Section 1 – Product and Company Information**

<b>Product Name</b> <b>Catalog Number</b> <b>Product Type</b>	<b>Calcium</b> CD-CAL-480 Clinical Chemistry Reagent	<b>Emergency Telephone No.</b> CHEMTREC (800) 424-9300 International CHEMTREC (703) 527-3887
<b>Company Name</b> <b>Street Address</b> <b>City, State, Zip Code, Country</b>	Concept Diagnostics 2527 S. Greenwood Pl., Ontario, CA 91761 USA	<b>Company Telephone No.</b> (909) 947-3462 Fax No. (909) 947-3162

**Section 2 – Composition/Information on Ingredients**

	<b>Chemical Names</b>	<b>Concentration</b>	<b>CAS#</b>
Color reagent (Mixture):	O-Cresolphthalein Complexone	0.14 mM	2411-89-4
	8-Hydroxyquinoline	13 mM	148-24-3
Buffer reagent (Mixture):	2-Amino-2-methyl-1-propanol	363 mM	124-68-5
	Potassium Cyanide	2 mM	151-50-8
Standard:	Calcium Carbonate	10 mg/dl	471-34-1

Other components either non-hazardous or at concentrations below that requiring hazardous listing.

**Section 3 – Hazards Identification**

<b>Emergency Overview:</b> Note: The following information applies to the component materials at higher concentrations than present in the reagent. Although lower concentrations are present in the reagent, appropriate safety precautions should still be taken.			
O-Cresolphthalein Complexone:	Caution: Avoid contact and inhalation.		
8-Hydroxyquinoline:	Harmful. Harmful if swallowed. Target organ(s): Nerves.		
2-Amino-2-methyl-1-propanol	Irritant. Irritating to skin. Risk of serious damage to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Combustible.		
Potassium Cyanide:	Highly Toxic (USA) Very Toxic (EU). Dangerous for the environment. Very toxic by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas. Causes burns. Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment. Target organ(s): Blood. Central nervous system.		
Calcium Carbonate:	Irritant. Irritating to respiratory system and skin. Risk of serious damage to eyes.		
<b>HMIS Rating</b>	<b>Health</b>	<b>Flammability</b>	<b>Reactivity</b>
O-Cresolphthalein Complexone:	0	0	0
8-Hydroxyquinoline:	1*	0	1
2-Amino-2-methyl-1-propanol	2	2	1
Potassium Cyanide:	3*	0	1
Calcium Carbonate:	2	0	1
	*additional chronic hazards present		
<b>NFPA Rating</b>	<b>Health</b>	<b>Flammability</b>	<b>Reactivity</b>
O-Cresolphthalein Complexone:	0	0	0
8-Hydroxyquinoline:	1	0	1
2-Amino-2-methyl-1-propanol	2	2	1
Potassium Cyanide:	3	0	1
Calcium Carbonate:	2	0	1

For additional information on toxicity, please refer to section 11.

**Section 4 – First Aid Measures**

<b>Oral Exposure</b> If swallowed, wash out mouth with water provided person is conscious. Call a physician.
<b>Inhalation Exposure</b> If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
<b>Dermal Exposure</b> In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
<b>Eye Exposure</b> In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Section 5- Fire and Explosive Hazard Data**

<b>Flammable Hazards</b> 2-Amino-2-methyl-1-propanol Flammable Hazards: Yes	<b>Flash Point</b> 2-Amino-2-methyl-1-propanol 154.4°F 68°C Method: closed cup	<b>Autoignition Temp</b> N/A	<b>Flammability</b> N/A
<b>Extinguishing Media</b> Potassium cyanide Suitable: Appropriate foam. Unsuitable: Do not use carbon dioxide extinguisher on this material.			

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**Section 5- Fire and Explosive Hazard Data (Continued)**

**Firefighting Measures**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
 Specific Hazard(s): Emits toxic fumes under fire conditions.  
 Specific Hazard(s): 2-Amino-2-methyl-1-propanol: Combustible liquid.  
 Specific Method(s) of Fire Fighting: Potassium cyanide: Fire fighting hazard: water spray can be used to fight fire in area containing cyanide and to cool fire-exposed metal containers. However, direct contact of material with water or steam will cause decomposition liberating highly toxic hydrogen cyanide gas as well as generating a highly hazardous solution of dissolved cyanide which must be kept out of sewers and watercourses. Cyanide has been found to form explosive mixtures sometimes spontaneously with chlorates, nitrates, and nitrogen trichloride plus ammonia.

**Section 6 – Accidental Release Measures**

**Procedure to be Followed in Case of Leak or Spill**

Ventilate the area.

**Procedures of Personal Precaution**

Wear personal protective equipment. Refer to section 8.

**Methods for Cleaning Up and Disposal**

Absorb on inert material (sand or vermiculite), then place in closed containers for disposal. Wash spill site after material pickup is complete. Follow federal, state and local disposal regulations.

**Section 7 – Handling and Storage**

**Handling**

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

**Storage**

Suitable: Keep tightly closed. Store in a cool dry place. Avoid contact with acid.

**Section 8 – Exposure Controls / PPE**

**Engineering Controls**

Safety shower and eyewash. Good general ventilation is satisfactory.

**Personal Protective Equipment**

Respiratory Protection: None required where adequate ventilation is satisfactory.

Hand: Protective gloves required.

Eye: Chemical safety goggles with side shields recommended.

Other protective equipment: Laboratory coat recommended

**General Hygiene Measures**

Wash contaminated clothing before reuse. Wash thoroughly after handling.

**Exposure Limits, RTECS: Potassium Cyanide:**

Country	Source	Type	Value	Remarks
New Zealand	OEL	---	---	Check ACGIH TLV
USA	NIOSH	Ceiling concentration	4.7 PPM (CN) / 10M	---

**Exposure Limits: Potassium Cyanide:**

Country	Source	Type	Value
Poland	---	NDS	---
Poland	---	NDSCh	---
Poland	---	NDSP	5 mg/m <sup>3</sup>

**Exposure Limits: Calcium Carbonate:**

Country	Source	Type	Value
Poland	---	NDS	10 mg/m <sup>3</sup>
Poland	---	NDSCh	---
Poland	---	NDSP	---

Remarks: {OELS ARE VALID FOR DUSTS} PYLY

**Section 9 - Physical Data**

<b>Boiling Point</b> 8-Hydroxyquinoline: 122 °C at 0.1 mmHg 2-Amino-2-methyl-1-propanol: 165 °C at 760 mmHg	<b>Melting Point</b> O-Cresolphthalein Complexone: 181-185°C 8-Hydroxyquinoline: 72.5°C 2-Amino-2-methyl-1-propanol: 30°C Potassium Cyanide: 634°C Calcium Carbonate: 800°C	<b>Specific Gravity (g/cm<sup>3</sup>)</b> 2-Amino-2-methyl-1-propanol: 0.93 Potassium Cyanide: 1.52 Calcium Carbonate: 2.93
<b>Vapor Pressure</b> 2-Amino-2-methyl-1-propanol: <1 mmHg at 25°C	<b>Percent Volatile</b> N/A	<b>Vapor Density</b> 2-Amino-2-methyl-1-propanol: 3 g/L
<b>Evaporation Rate</b> N/A	<b>Solubility in Water</b> 2-Amino-2-methyl-1-propanol: 0.1 M in H <sub>2</sub> O, 20°C complete, colorless Calcium Carbonate: Insoluble	<b>Appearance</b> Calcium Buffer Reagent: Clear Liquid Calcium Color Reagent: Yellow Liquid

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<b>Section 10 – Stability and Reactivity</b>				
<b>Stability</b>				
Chemical	Stable	Conditions of Instability	Conditions to Avoid	Materials to Avoid
O-Cresolphthalein Complexone	Stable	N/A	N/A	N/A
8-Hydroxyquinoline	Stable	May discolor on exposure to light.	N/A	Strong oxidizing agents, Strong acids.
2-Amino-2-methyl-1-propanol	Stable	Absorbs carbon dioxide from air.	Air sensitive	Oxidizing agents, Strong acids Copper, Copper alloys, Brass, Aluminum.
Potassium Cyanide	Stable	May decompose on exposure to moist air or water. Absorbs carbon dioxide from air. Light sensitive.	N/A	Strong oxidizing agents Avoid contact with acid., Iodine, Permanganates, Peroxides, Metallic salts, Chloral hydrate, Alkaloids, Chlorates
Calcium Carbonate	Stable	N/A	Moisture	Strong oxidizing agents, Acids, Magnesium, Aluminum.
<b>Hazardous Decomposition Products</b>				
O-Cresolphthalein Complexone →Carbon monoxide, Carbon dioxide, Nitrogen oxides.				
8-Hydroxyquinoline →Carbon monoxide, Carbon dioxide, Nitrogen oxides.				
2-Amino-2-methyl-1-propanol→ Thermal decomposition may produce carbon monoxide, carbon dioxide, and nitrogen oxides.				
Potassium Cyanide→ Hydrogen cyanide, Nitrogen oxides, Potassium oxides.				
Calcium Carbonate→ Carbon monoxide, Carbon dioxide, Calcium oxide.				
<b>Hazardous Polymerization</b>				
Hazardous Polymerization: Will not occur.				
<b>Section 11 – Toxicological information</b>				
<b>Route of exposure</b> <b>O-Cresolphthalein Complexone:</b> Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption. May cause irritation.		<b>Signs and Symptoms of Exposure</b> <b>O-Cresolphthalein Complexone:</b> To the best of our knowledge, the chemical, physical and toxicological properties of have not been thoroughly investigated.		
<b>Route of exposure</b> <b>8-Hydroxyquinoline:</b> Skin contact: May cause skin irritation. Skin absorption: May be harmful if absorbed through the skin. Eye contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: Harmful if swallowed. Target organ(s): Nerves		<b>Signs and Symptoms of Exposure</b> <b>8-Hydroxyquinoline:</b> To the best of our knowledge, the chemical, physical and toxicological properties of have not been thoroughly investigated.		
<b>Route of exposure</b> <b>2-Amino-2-methyl-1-propanol:</b> Skin contact: Causes skin irritation. Skin absorption: May be harmful if absorbed through the skin. Eye contact: Causes severe eye irritation. Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed.		<b>Signs and Symptoms of Exposure</b> <b>2-Amino-2-methyl-1-propanol:</b> To the best of our knowledge, the chemical, physical and toxicological properties of have not been thoroughly investigated.		
<b>Route of exposure</b> <b>Potassium Cyanide:</b> Skin contact: May cause skin irritation. Skin absorption: May be fatal if absorbed through the skin. Eye contact: May cause eye irritation. Inhalation: May be fatal if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: May be fatal if swallowed. Target organ(s): Blood. Central nervous system. Cardiovascular system. Thyroid.		<b>Signs and Symptoms of Exposure</b> <b>Potassium Cyanide:</b> Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. Exposure can cause: Lung irritation. Cyanosis. CNS depression. To the best of our knowledge, the chemical, physical and toxicological properties of have not been thoroughly investigated.		
<b>Route of exposure</b> <b>Calcium Carbonate:</b> Skin Contact: Causes skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: Causes severe eye irritation. Inhalation: Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. Ingestion: May be harmful if swallowed.		<b>Signs and Symptoms of Exposure</b> <b>Calcium Carbonate:</b> To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.		

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**Calcium**  
**Section 11 – Toxicological information (Continued)**

<b>Toxicity Data: 8-Hydroxyquinoline</b>				
Species:	Dose:	Route of Application:	Exposure Time:	Result:
Rat	1200 mg/kg	Oral		LD50
Rat	>1210 mg/m <sup>3</sup>	Inhalation		LC50
Mouse	20000 mg/kg	Oral		LD50
Mouse	43 mg/kg	Intraperitoneal		LD50
Mouse	83600 ug/kg	Subcutaneous		LD50

  

<b>Irritation Data: 8-Hydroxyquinoline</b>				
Species:	Dose:	Route of Application:	Exposure Time:	Remarks
Rabbit	500 mg	Skin	24 H	Mild irritation effect.
Rabbit	100 mg	Eyes	---	Mild irritation effect.

<b>Chronic Exposure – Carcinogen: 8-Hydroxyquinoline</b>					
Result: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.					
Species:	Route of Application:	Dose:	Exposure Time:	Frequency:	Result:
Rat	Oral	29 gm/kg	48 W	I	Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Skin and Appendages: Other: Tumors. Tumorigenic Effects: Testicular tumors.
Rat	Intravaginal	33 gm/kg	82 W	I	Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Tumorigenic Effects: Ovarian tumors.
Mouse	Skin	7200 mg/kg	50 W	I	Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. Tumorigenic Effects: Ovarian tumors.
Mouse	Subcutaneous	900 mg/kg	21 W	I	Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. Tumorigenic Effects: Ovarian tumors.
Mouse	Implant	50 mg/kg	---	---	Tumorigenic: Carcinogenic by RTECS criteria. Kidney, Ureter, Bladder: Tumors.
Mouse	Intravaginal	5600 mg/kg	35 W	I	Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Blood: Leukemia Tumorigenic Effects: Ovarian tumors.
Rat	Oral	34 gm/kg	84 W	I	Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. Tumorigenic Effects: Uterine tumors.
Mouse	Implant	80 mg/kg	---	---	Tumorigenic: Neoplastic by RTECS criteria. Kidney, Ureter, Bladder: Tumors.
Mouse	Implant	100 mg/kg	---	---	Tumorigenic: Neoplastic by RTECS criteria. Kidney, Ureter, Bladder: Tumors. Tumorigenic: Tumors at site or application.
Mouse	Intravaginal	17 gm/kg	2 Y	I	Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Tumorigenic Effects: Ovarian tumors.

IARC Carcinogen List: Rating: Group 3  
 NTP Carcinogen List: Rating: No evidence. Species: Mouse. Route: Feed.

<b>Chronic Exposure – Mutagen: 8-Hydroxyquinoline</b>				
Species:	Dose:	Route:	Cell Type:	Mutation Test:
Human	25 umol/L	---	HeLa cell	DNA Inhibition
Rat	600 mg/kg	---	S. typhimurium	Body fluid assay
Mouse	100 mg/kg	Intraperitoneal	---	Micronucleus test
Mouse	400 ug/L	---	Lymphocyte	Mutation in mammalian somatic cells.
Hamster	40 umol/L	---	Ovary	Other mutation test systems
Hamster	7500 ug/L	---	Ovary	Cytogenetic analysis
Hamster	2600 ug/L	---	Ovary	Sister chromatid exchange

<b>Toxicity Data: 2-Amino-2-methyl-1-propanol:</b>			
Species:	Dose:	Route of Application:	Result:
Rat	2900 mg/kg	Oral	LD50
Mouse	2150 mg/kg	Oral	LD50

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**Section 11 – Toxicological information (Continued)**

<b>Toxicity Data: Potassium Cyanide:</b>				
Species:	Dose:	Route of Application:	Result:	Remarks:
Human	2.857 mg/kg	Oral	LDLO	---
Rat	5 mg/kg	Oral	LD50	---
Rat	4 mg/kg	Intraperitoneal	LD50	Lungs, Thorax, or Respiration: Other changes.
Rat	7814 ug/kg	Subcutaneous	LD50	---
Rat	3600 ug/kg	Intravenous	LD50	Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Convulsions or effect on seizure threshold. Lungs, Thorax, or Respiration: Dyspnea.
Mouse	8.5 mg/kg	Oral	LD50	---
Mouse	5991 ug/kg	Intraperitoneal	LD50	---
Mouse	6500 ug/kg	Subcutaneous	LD50	---
Mouse	2600 ug/kg	Intravenous	LD50	Peripheral Nerve and Sensation: Flaccid paralysis without anesthesia (usually neuromuscular blockage). Behavioral: Convulsions or effect on seizure threshold. Lungs, Thorax, or Respiration: Respiratory stimulation.
Dog	6 mg/kg	Subcutaneous	LD50	Behavioral: Convulsions or effect on seizure threshold.
Cat	2200 mg/kg	Intravenous	LD50	---
Rabbit	5 mg/kg	Oral	LD50	---
Rabbit	3972 ug/kg	Intraperitoneal	LD50	Blood: Other changes.
Rabbit	4 mg/kg	Subcutaneous	LD50	Lungs, Thorax, or Respiration: Other changes.
Rabbit	3256 ug/kg	Intramuscular	LD50	---
Rabbit	7870 ug/kg	Ocular	LD50	Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Eye: Other. Behavioral: Ataxia. Lungs, Thorax, or Respiration: Respiratory stimulation.
Pigeon	4 mg/kg	Intramuscular	LD50	---

<b>Chronic Exposure – Teratogen: Potassium Cyanide:</b>				
Species:	Dose:	Route of Application:	Exposure Time:	Result:
Rat	40 mg/kg	Intraperitoneal	1-15 D PREG	Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

<b>Chronic Exposure – Mutagen: Potassium Cyanide:</b>				
Species:	Dose:	Cell Type:	Mutation Test:	
Rat	300 umol/L	Liver	DNA damage	
Mouse	1 mmol/L	Lymphocyte	DNA inhibition	
Mouse	1 mmol/L	Mammary gland	Cytogenetic analysis	

<b>Chronic Exposure – Reproductive Hazard: Potassium Cyanide:</b>				
Species:	Dose:	Route:	Exposure Time:	Result:
Rat	65 gm/kg	Oral	14 D PRE / 1-22 D PREG	Effects on Fertility: Other measures of fertility
Domestic Animals	1767 mg/kg	Oral	8-20W PREG / 44D POST	Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day 4). Effects on Newborn: Other neonatal measures or effects.

<b>Toxicity Data: Calcium Carbonate:</b>			
Species:	Dose:	Route of Application:	Result:
Rat	6450 mg/kg	Oral	LD50

<b>Irritation Data: Calcium Carbonate:</b>				
Species:	Dose:	Route of Application:	Exposure Time:	Remarks:
Rabbit	500 mg	Skin	24 H	Moderate irritation effect.
Rabbit	0.75 mg	Eyes	24 H	Severe irritation effect.

**Section 12 – Ecological information**

<b>Acute Ecotoxicity Tests: Potassium Cyanide:</b>			
Test Type:	Species:	Time:	Value:
LC50 Fish	Lepomis macrochirus (Bluegill)	96 H	0.45 mg/L
EC50 Daphnia	Daphnia magna	48 H	2 mg/L
EC50 Daphnia	Daphnia magna	24 H	0.53 mg/L

**Section 13 - Disposal Considerations**

Contact a licensed professional waste disposal service to dispose of this material.  
Observe all federal, state, and local environmental regulations.

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<b>Calcium</b>	
<b>Section 14 - Transport Information</b>	
<p><b>DOT</b>  <b>O-Cresolphthalein Complexone,</b>  <b>8-Hydroxyquinoline,</b>  <b>2-Amino-2-methyl-1-propanol &amp;</b>  <b>Calcium Carbonate:</b>                  Proper Shipping Name: None                  Non-Hazardous for Transport: Non-hazardous for transport.</p>	<p><b>IATA</b>  <b>O-Cresolphthalein Complexone,</b>  <b>8-Hydroxyquinoline,</b>  <b>2-Amino-2-methyl-1-propanol &amp;</b>  <b>Calcium Carbonate:</b>                  Non-Hazardous for Air Transport: Non-hazardous for air transport.</p>
<p><b>DOT</b>  <b>Potassium Cyanide:</b>                  Proper Shipping Name: Potassium cyanide                  UN#: 1680                  Class: 6.1                  Packing Group: Packing Group I                  Hazard Label: Toxic substances.                  PIH: Not PIH</p>	<p><b>IATA</b>  <b>Potassium Cyanide:</b>                  Proper Shipping Name: Potassium cyanide                  IATA UN Number: 1680                  Hazard Class: 6.1                  Packing Group: I</p>
<b>Section 15 - Regulatory Information</b>	
<p><b>O-Cresolphthalein Complexone:</b>                  EU ADDITIONAL CLASSIFICATION                  S: 22 24/25                  Safety Statements: Do not breathe dust. Avoid contact with skin and eyes.</p>	<p><b>O-Cresolphthalein Complexone:</b>                  US CLASSIFICATION AND LABEL TEXT                  US Statements: Caution: Avoid contact and inhalation.</p>
<p>CANADA REGULATORY INFORMATION                  WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.                  DSL: Yes                  NDSL: No</p>	<p>UNITED STATES REGULATORY INFORMATION                  SARA LISTED: No</p>
<p><b>8-Hydroxyquinoline:</b>                  EU ADDITIONAL CLASSIFICATION                  Symbol of Danger: Xn                  Indication of Danger: Harmful.                  R: 22                  Risk Statements: Harmful if swallowed.                  S: 36                  Safety Statements: Wear suitable protective clothing.</p>	<p><b>8-Hydroxyquinoline:</b>                  US CLASSIFICATION AND LABEL TEXT                  Indication of Danger: Harmful.                  Risk Statements: Harmful if swallowed.                  Safety Statements: Wear suitable protective clothing.                  US Statements: Target organ(s): Nerves.</p>
<p>CANADA REGULATORY INFORMATION                  WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.                  DSL: Yes                  NDSL: No</p>	<p>UNITED STATES REGULATORY INFORMATION                  SARA LISTED: No                  TSCA INVENTORY ITEM: Yes</p>
<p><b>2-Amino-2-methyl-1-propanol:</b>                  EU DIRECTIVES CLASSIFICATION                  Symbol of Danger: Xi                  Indication of Danger: Irritant.                  R: 36/38 52/53                  Risk Statements: Irritating to eyes and skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.                  S: 61                  Safety Statements: Avoid release to the environment. Refer to special instructions/safety data sheets.</p>	<p><b>2-Amino-2-methyl-1-propanol:</b>                  US CLASSIFICATION AND LABEL TEXT                  Indication of Danger: Irritant.                  Risk Statements: Irritating to skin. Risk of serious damage to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.                  Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. Avoid release to the environment. Refer to special instructions/safety data sheets.                  US Statements: Combustible.</p>
<p>CANADA REGULATORY INFORMATION                  WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.                  DSL: Yes                  NDSL: No</p>	<p>UNITED STATES REGULATORY INFORMATION                  SARA LISTED: No                  TSCA INVENTORY ITEM: Yes</p>

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<b>Calcium</b>	
<b>Section 15 - Regulatory Information (Continued)</b>	
<p><b>Potassium Cyanide:</b>                  EU DIRECTIVES CLASSIFICATION                  Symbol of Danger: T+ N                  Indication of Danger: Very toxic. Dangerous for the environment.                  R: 26/27/28 32 50/53                  Risk Statements: Very toxic by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas.                  Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.                  S: 7 28 29 45 60 61                  Safety Statements: Keep container tightly closed. After contact with skin, wash immediately with plenty of soap-suds. Do not empty into drains. 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 waste. Avoid release to the environment. Refer to special instructions/safety data sheets.</p>	<p><b>Potassium Cyanide:</b>                  US CLASSIFICATION AND LABEL TEXT                  Indication of Danger: Highly Toxic (USA) Very Toxic (EU).                  Dangerous for the environment.                  Risk Statements: Very toxic by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas. Causes burns. Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.                  Safety Statements: Keep container tightly closed. After contact with skin, wash immediately with plenty of water. Do not empty into drains. 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 waste. Avoid release to the environment. Refer to special instructions/safety data sheets.                  US Statements: Target organ(s): Blood. Central nervous system.</p>
<p>CANADA REGULATORY INFORMATION                  WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.                  DSL: Yes                  NDSL: No</p>	<p>UNITED STATES REGULATORY INFORMATION                  SARA LISTED: Yes                  NOTES: This product is subject to SARA section 313 reporting requirements.                  TSCA INVENTORY ITEM: Yes</p>
<p><b>Calcium Carbonate:</b>                  EU ADDITIONAL CLASSIFICATION                  Symbol of Danger: Xi                  Indication of Danger: Irritant.                  R: 37/38 41                  Risk Statements: Irritating to respiratory system and skin. Risk of serious damage to eyes.                  S: 26 36/37/39                  Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection.</p>	<p><b>Calcium Carbonate:</b>                  US CLASSIFICATION AND LABEL TEXT                  Indication of Danger: Irritant.                  Risk Statements: Irritating to respiratory system and skin. Risk of serious damage to eyes.                  Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection.</p>
<p>CANADA REGULATORY INFORMATION                  WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.                  DSL: Yes                  NDSL: No</p>	<p>UNITED STATES REGULATORY INFORMATION                  SARA LISTED: No                  TSCA INVENTORY ITEM: Yes</p>
<b>Section 16 - Other Information</b>	
<p>This Product is labeled in accordance with CFR21 (Food and Drugs), Section 809.10.</p>	
<p>The information contained herein has been compiled from data presented in various technical sources believed to be accurate. We make no warranties, express or implied, and assume no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary safety precautions.</p>	
<p>N/A - Not Applicable or Not Available</p>	