Material Safety Data Sheet (Documentation Requirements)

Section 1 – Product and Company Information

Section 1 Trouver and Company Infor		
Product Name	Sodium	Emergency Telephone No.
Catalog Number	CD-SOD-050	CHEMTREC (800) 424-9300
Product Type	Clinical Chemistry Reagent	International CHEMTREC (703) 527-3887
Company Name	Concept Diagnostics	Company Telephone No.
Street Address	2527 S. Greenwood Pl.,	(909) 947-3462
City, State, Zip Code, Country	Ontario, CA 91761 USA	Fax No. (909) 947-3162

Section 2 - Composition/Information on Ingredients

	Chemical Names	Concentration	CAS#	
Filtrate reagent: Uranyl acetate and Magnesium acetate in Ethyl alcohol		2.1 mM, 20 mM	541-09-03, 16674-78-5, 64-17-5	
Acid reagent:	Acetic acid	Diluted	64-19-7	
Color reagent: Potassium ferrocyanide		1.5 mM	14459-95-1	
Standard: Sodium chloride 150 mEq/L 7647-14-5				
Other components ei	ther non-hazardous or at concentrations below that requiring haza	rdous listing.		

Section 3 – Hazards Identification

Emergency Overview:

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.

Filtrate reagent:

Uranyl acetate: Highly Toxic (USA). Very Toxic (EU). Dangerous for the environment. Very toxic by inhalation and if swallowed. Danger of cumulative effects. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Target organ(s): liver, kidneys. Prop. 65 carcinogen (Calif., USA)

Magnesium acetate: Caution. Avoid contact and inhalation. Target organ(s): Central nervous system, G.I. system

Ethyl alcohol: Flammable (USA). Highly flammable (EU). Harmful. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. Target organ(s): central nervous system, liver.

Color reagent: Potassium ferrocyanide: Contact with acids liberates very toxic gas. Target organ(s): blood.

		HMIS Rating		NFPA Rating		
	Health:	Flammability:	Reactivity:	Health:	Flammability:	Reactivity:
uranyl acetate	3*	0	0	3	0	0
magnesium acetate	1*	0	1	1	0	1
ethyl alcohol	2*	3	1	2	3	1
potassium ferrocyanide	1*	0	0	1	0	0
sodium chloride	0	0	0	0	0	0
	*additional chr	onic hazards present				

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

Section 4 – First Aid Measures

Oral Exposure

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure

If inhaled, remove to fresh air. If not breathing give artificial respiration but NOT by mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Call a physician.

Dermal Exposure

In case of skin contact, immediately wash skin with soap and copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.

Eye Exposure

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

Flash Point	lash Point Explosion Limits Autoignition Temp					
thyl alcohol: 14°C (57°F) Ethyl alcohol: Lower: 3.3% Upper: 19% Ethyl alcohol: 363°C (685°F)						
Extinguishing Media	Extinguishing Media					
Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.						
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 Method(s) of Fire Fighting: Ethyl alcohol:	Use water spray to cool fire-exposed containers.					

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Section 6 – Accidental Release Measures			
Procedure to be Followed in Case of Leak or Spill Wear proper personal protective equipment (PPE) as i Uranyl acetate: Handle as a radioactive spill. Ethyl alcohol: Shut off all sources of ignition.	ndicated in section 8.		recaution gles, rubber boots and heavy rubber gloves. utions to avoid direct contact with skin or eyes.
Methods for Cleaning Up and Disposal Mop up liquid, place in bag and hold for waste dispos Ethyl alcohol: Absorb spill with inert material (e.g. v after material pickup is complete. Follow federal, state and local disposal regulations.		place in a closed container f	or disposal. Ventilate area and wash spill site
Section 7 – Handling and Storage Handling Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Avoid inhalation or ingestion. Do not pipette by mout Wash thoroughly after handling.	Ethyl alcohol: K	ry place. Keep tightly closed Keep container tightly closed a sources of ignition.	d. . Keep away from heat, sparks, and open flame.
Section 8 – Exposure Controls / PPE Engineering Controls Safety shower and eyewash. Good general ventilation	l.	Protective Clothing: Lab c Protective Gloves: Latex c Eye: Chemical safety gogg	one required where adequately ventilated coat
Section 9 - Physical Data Boiling Point	Melting Point		Specific Gravity (g/cm ³)
uranyl agatata magnasium agatata notassium	uranul aastata = 110°C	magan agiuma agatata =	$\frac{1}{2}$

Boiling Point	Melting Point	Specific Gravity (g/cm ³)
uranyl acetate, magnesium acetate, potassium	uranyl acetate = 110°C, magnesium acetate =	uranyl acetate = 2.89, magnesium acetate =
ferrocyanide = N/A ; ethyl alcohol = 78-80°C;	80° C, ethyl alcohol = -144°C, potassium	1.454, ethyl alcohol = 0.79 , potassium
sodium chloride = $1413^{\circ}C$	ferrocyanide = 70° C, sodium chloride = 801° C	ferrocyanide =1.85, sodium chloride = 2.165
Vapor Pressure	Percent Volatile	Vapor Density
uranyl acetate, magnesium acetate, potassium	uranyl acetate, magnesium acetate, ethyl alcohol,	N/A
ferrocyanide = N/A ; ethyl alcohol = 44.6 mm	potassium ferrocyanide, sodium chloride = N/A	
20° C; sodium chloride = 1mm 865° C		
Evaporation Rate	Solubility in Water	Appearance
1 (water = 1.0)	Soluble	filtrate reagent= yellow liquid; acid reagent=
		clear liquid; color reagent= yellow liquid;
		standard= clear liquid

Stability	Conditions to Avoid	Materials to Avoid	Materials to Avoid			
Stable	Moisture	strong oxidizing agents, alkali metals, ammonia, peroxides, acid	strong oxidizing agents, alkali metals, ammonia, peroxides, acids, acid anhydrides, halogens, acid chlorides			
Hazardous Decomposition Products Hazardous Polymerization						
uranyl acetate \rightarrow carbon monoxide, carbon dioxide, uranium oxides; None have been reported.						
magnesium acetate \rightarrow carbon monoxide, carbon dioxide, magnesium oxide;						
ethyl alcohol \rightarrow carbon monoxide, carbon dioxide;						
potassium ferrocyanide→ nitrogen oxides, hydrogen cyanide, carbon monoxide, carbon dioxide						
sodium chloride→ sodium, sodium oxides, hydrogen chloride gas						

Route of exposure: Uranyl acetate:	Signs and Symptoms of Exposure: Uranyl acetate:
Skin contact: May cause skin irritation.	Exposure may cause: conjunctivitis, blood effects, symptoms may be
Skin absorption: May be harmful if absorbed through the skin.	delayed.
Eye contact: May cause eye irritation.	To the best of our knowledge, the chemical, physical and toxicological
Inhalation: May be fatal if inhaled. Material may be irritating to mucous	properties of have not been thoroughly investigated.
membranes and upper respiratory tract.	
Ingestion: May be fatal if swallowed.	
Target organ(s): kidneys, liver, lungs.	
Route of exposure: Magnesium acetate:	Signs and Symptoms of Exposure: Magnesium acetate:
Skin contact: May cause skin irritation.	To the best of our knowledge, the chemical, physical and toxicological
Skin absorption: May be harmful if absorbed through the skin.	properties of have not been thoroughly investigated.
Eye contact: May cause eye irritation.	
Inhalation: May be harmful if inhaled. Material may be irritating to	
mucous membranes and upper respiratory tract.	
Ingestion: May be harmful if swallowed.	
Target organ(s): Central nervous system, G.I. system	

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Section 11.	- Toyicological	information	(continued)

Section 11 – Toxicological information (continued)	
Route of exposure	Signs and Symptoms of Exposure
Ethyl alcohol:	Ethyl alcohol:
Skin contact: Causes skin irritation.	Can cause CNS depression. Drowsiness. Narcotic effect. Damage to the
Skin absorption: Harmful if absorbed through the skin.	heart.
Eye contact: Causes eye irritation.	To the best of our knowledge, the chemical, physical and toxicological
Inhalation: Harmful if inhaled. Material is irritating to mucous membranes	properties of have not been thoroughly investigated.
and upper respiratory tract.	
Ingestion: Harmful if swallowed.	
Target organ(s): central nervous system, liver, heart, kidneys,	
cardiovascular system, G.I. system, eyes.	
Route of exposure	Signs and Symptoms of Exposure
Potassium ferrocyanide:	Potassium ferrocyanide:
Skin contact: May cause skin irritation.	May cause cyanosis (blue-gray coloring of skin and lips caused by lack of
Skin absorption: May be harmful if absorbed through the skin.	oxygen).
Eye contact: May cause eye irritation.	To the best of our knowledge, the chemical, physical and toxicological
Inhalation: May be harmful if inhaled. Material may be irritating to	properties of have not been thoroughly investigated.
mucous membranes and upper respiratory tract.	
Ingestion: May be harmful if swallowed.	
Target organ(s): blood	
Route of exposure	Signs and Symptoms of Exposure
Sodium chloride:	Sodium chloride:
Skin contact: May cause skin irritation.	Ingestion of large amounts causes vomiting and diarrhea. Dehydration and
Skin absorption: May be harmful if absorbed through the skin.	congestion may occur in internal organs. Hypertonic salt solutions can
Eye contact: Can cause irritation or redness.	produce inflammatory reactions in the G.I. tract.
Inhalation: May be harmful if inhaled. Material may be irritating to	To the best of our knowledge, the chemical, physical and toxicological
mucous membranes and upper respiratory tract.	properties of have not been thoroughly investigated.
Ingestion: May be harmful if swallowed.	

Toxicity I	Data: Uranyl ac	etate						
Species:			Dose:			Route of Application:	Result:	
Rat 204 mg/kg			/kg		Oral	LD50		
Rat			8300 UG/kg			Subcutaneous	LD50	
Mouse			242 mg/kg			Oral	LD50	
Mouse			20400 UG/kg			Subcutaneous	LD50	
Remarks:	Behavioral: Tre	mor. Skin	and appendages	: Other: Hair. Nutr	itional and	gross metabolic: Changes in:	Body temperature decrease.	
Chronic I	Exposure – Carc	inogen Re	sult: contains a	radioactive isotope v	which may	produce cancer and genetic m	itation.	
Chronic I	Exposure – Tera	togen						
Species:	Dose:	Route of	f Application:	Exposure Time:	Result:			
Rat	50 mg/kg	Oral		6-15D pregnant			ty (except death, e.g., stunted fetus).	
						Developmental Abnormalities		
Rat	100 mg/kg	Oral		6-15D pregnant	Specific Developmental Abnormalities: craniofacial (including nose &			
					tongue)			
	Exposure – Repr			•				
Species:	Dose:		f Application:	Exposure Time:	Result:			
Mouse	2 gm/kg	Oral		60D male/ 2W	Effects on fertility: Post-implantation mortality (e.g., dead and/or resorbed			
				pre/ 1-13Dpreg			ets on Embryo or Fetus: Fetal death.	
Mouse	990 mg/kg	Oral		60D male/ 14D		on newborn: Growth statistics		
				pre-4D post		on newborn: Other postnatal m		
Mouse	640 mg/kg	Oral		64D male			x (e.g., # of males impregnating female	
						les exposed to fertile non-preg		
Mouse	1280 mg/kg	Oral		64D male		effects: testes, epididymis, sp		
Mouse	1500 mg/kg	Oral		13-21D preg /			ts on newborn: weaning or lactation	
				21D post		.g. # alive at weaning per # aliv		
						on newborn: Other postnatal m		
Mouse	4 mg/kg	Subcutar	neous	10D preg			mortality (e.g., dead and/or resorbed	
							ets on Embryo or Fetus: Fetal death.	
		1			Specific	Developmental Abnormalities	: Musculoskeletal system.	

Toxicity Data: Magnesium acetate:									
Species:	Dose:	Route of Application:	<u>Result:</u>						
Mouse	111 mg/kg	Intravenous	LD50						
Note: Only selected Registry of Toxic	Mouse 111 mg/kg Intravenous LD50 Note: Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete Intravenous								
information.									

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Section 11 – Toxicological information (continued)

Toxicity Data: Ethyl	alcohol		
Species:	Dose:	Route of Application:	Result:
Rat	20,000 ppm	Inhalation	LC50
Rat	7.060 mg/kg	Oral	LD50
Human	1,400 mg/kg	Oral	LD50
Chronic Exposure – C			
		ifiable as to its carcinogenity based on its IA	
	egistry of Toxic Effects of Chemical Subs	tances (RTECS) data is presented here. See	e actual entry in RTECS for complete
information.			
Toxicity Data: Sodiu	m Chloride		
Species:	Dose:	Route of Application:	Result:
Rat	3 g/kg	Oral	LD50
Rat	>42 g/m3	Inhalation	LC50
Mouse	4 g/kg	Oral	LD50
Mouse	2602 mg/kg	Intraperitoneal	LD50
Mouse	3 gm/kg	Subcutaneous	LD50
Mouse	645 mg/kg	Intravenous	LD50
Mouse	131 mg/kg	Intracervical	LD50
Rabbit	>10 g/kg	Skin	LD50
Irritation Data: Sodiu	um Chloride	·	
Species:	Dose:	Route of Application:	Result:
Rabbit	50 mg/24H	Skin	Result: Mild irritation effect
Rabbit	500 mg/24H	Skin	Result: Mild irritation effect
Rabbit	100 mg	Eyes	Result: Mild irritation effect
Rabbit	100 mg/24H	Eyes	Result: Moderate irritation effect
Rabbit	10 mg	Eyes	Result: Moderate irritation effect
Other/Organ Effects:	Sodium Chloride		
Behavioral Effects: So	mnolence, convulsions or effect of seizure	e threshold, muscle contraction or spasticity	
Cardiac: Other change	S		
Endocrine: Estrogenic			
Maternal Effects: ovar	ies, fallopian tubes, or other effects on fen	nale	
Effects on Fertility: pro	e-implantation mortality, post-implantatio	n mortality, abortion	
Effects on Embryo or F	Fetus: fetotoxicity, fetal death		
	l Abnormalities: musculoskeletal system		
Note: Only selected Re	egistry of Toxic Effects of Chemical Subs	tances (RTECS) data is presented here. See	actual entry in RTECS for complete
information. (RTECS#	*: VZ4725000)	-	-

Section 12 – Ecological Information

Uranyl acetate, magnesium acetate, potassium ferrocyanide, sodium chloride: No data available.

Acute Ecotoxicity Te	sts: Ethyl alcohol		
Test type	Species	Time	Value
LC50 Fish	Onchorhynchus mykiss (Rainbow trout)	96 Hrs	13,000 mg/L
EC50 Daphnia	Daphnia magna	48 Hrs	9.3 mg/L
LC50 Fish	Onchorhynchus mykiss (Rainbow trout)	96 Hrs	10,400 mg/L
LC50 Fish	Pimphales promelas (Fathead minnow)	96 Hrs	15,300 mg/L
LC50 Fish	Other fish	24 Hrs	10,000 mg/L

Section 13 – Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Filtrate reagent (containing uranyl acetate): Dispose of as radioactive waste. Consult local, state, and federal regulations on the disposal of radioactive waste.

Acid reagent, Color reagent & Standard: Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

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Section 14 – Transport Information	
DOT	IATA
Uranyl acetate:	Uranyl acetate:
Proper shipping name: Radioactive material, excepted package-limited	Proper shipping name: Radioactive material, excepted package-limited
quantity of material	quantity of material
UN#: 2910	IATA UN#: 2910
	Class: 7
Class: 7	Class: /
Packing Group: None	
Hazard Label: None	
PIH: Not PIH	
DOT	IATA
Ethyl alcohol:	Ethyl alcohol:
Proper shipping name: Ethanol [or] Ethyl alcohol [or] Ethanol solutions	Proper shipping name: Ethanol
[or] Ethyl alcohol solutions	IATA UN#: 1170
UN#: 1170	Class: 3
Class: 3	Packing Group II
Packing Group: Packing Group II	
Hazard Label: Flammable Liquid	
PIH: Not PIH	
DOT	IATA
Magnesium acetate, Potassium ferrocyanide & Sodium chloride:	Magnesium acetate, Potassium ferrocyanide & Sodium chloride:
Proper shipping name: None	Non-hazardous for Air Transport: Non-hazardous for Air Transport.
Non-hazardous for Transport: These substances are considered to be non-	1 1
hazardous for transport.	
	l
Section 15 – Regulatory Information	
Uranyl acetate:	Uranyl acetate:
European Regulatory Information	US Classification and Label Text
Symbol of Danger: R T+ N	Indication of Danger: Highly toxic (USA). Very toxic (EU). Dangerous
Indication of Danger: Radioactive. Very toxic. Dangerous for the	for the environment.
environment.	Risk statements: Very toxic by inhalation and if swallowed. Danger of
R: 26/28 33 51/53	cumulative effects. Toxic to aquatic organisms, may cause long-term
Risk statements: Very toxic by inhalation and if swallowed. Danger of	adverse effects in the aquatic environment.
cumulative effects. Toxic to aquatic organisms, may cause long-term	Safety statements: When using, do not eat, drink or smoke. In case of
adverse effects in the aquatic environment.	accident or if you feel unwell, seek medical advice immediately (show the
S: 50-21 45 61	label where possible). Avoid release to the environment. Refer to special
Safety statements: When using, do not eat, drink or smoke. In case of	instructions/ safety data sheets.
accident or if you feel unwell, seek medical advice immediately (show the	US Statements
label where possible). Avoid release to the environment. Refer to special	Radioactive material. Target organ(s): liver, kidneys.
instructions/ safety data sheets.	Calif. (USA) Prop. 65 carcinogen.
Canadian Regulatory Information	US Regulatory Information
WHMIS Classification	SARA Listed: No
This product has been classified in accordance with the hazard criteria of	US – State Regulatory Information
the CPR, and the MSDS contains all the information required by the CPR.	California Prop. 65: This product is or contains chemical(s) known to the
DSL: Yes	State of California to cause cancer.
NDSL: No	
Magnazium asstata	Magnacium agatata
Magnesium acetate:	Magnesium acetate:
EU Additional Classification.	US Classification and Label Text
S: 22 24/25	US Statements
Safety statements: Do not breathe dust. Avoid contact with skin and eyes.	Caution: Avoid contact and inhalation. Target organ(s): Central nervous
	system G L system
Canadian Regulatory Information	system. G.I. system US Regulatory Information
Canadian Regulatory Information WHMIS Classification	US Regulatory Information
WHMIS Classification	US Regulatory Information SARA Listed: No
WHMIS Classification This product has been classified in accordance with the hazard criteria of	US Regulatory Information
WHMIS Classification	US Regulatory Information SARA Listed: No

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Section 15 – Regulatory Information (Continued)

Ethyl alcohol:	Ethyl alcohol:
EU Additional Classification.	US Classification and Label Text
Symbol of Danger: F Xn	Indication of Danger: Flammable (USA). Highly flammable (EU).
Indication of Danger: Highly flammable. Harmful.	Harmful.
R: 11 20/21/22 68/20/21/22	Risk statements: Harmful by inhalation, in contact with skin and if
Risk statements: Highly flammable. Harmful by inhalation, in contact with	swallowed. Irritating to eyes, respiratory system and skin. Harmful:
skin and if swallowed. Harmful: possible risk of irreversible effects	possible risk of irreversible effects through inhalation, in contact with skin,
through inhalation, in contact with skin, and if swallowed.	and if swallowed.
S: 7 16 26 36/37 45	Safety statements: Keep container tightly closed. Keep away from sources
Safety statements: Keep container tightly closed. Keep away from sources	of ignition – no smoking. In case of contact with eyes, rinse immediately
of ignition - no smoking. In case of contact with eyes, rinse immediately	with water and seek medical advice. Wear suitable protective clothing and
with water and seek medical advice. Wear suitable protective clothing and	gloves. In case of accident or if you feel unwell, seek medical advice
gloves. In case of accident or if you feel unwell, seek medical advice	immediately (show the label where possible).
immediately (show the label where possible).	US Statements: Target organ(s): nerves, liver.
Canadian Regulatory Information	US Regulatory Information
WHMIS Classification	SARA Listed: Yes
This product has been classified in accordance with the hazard criteria of	Notes: This product is or contains a component that is subject to SARA313
the CPR, and the MSDS contains all the information required by the CPR.	reporting requirements.
DSL: No, NDSL: No	
Potassium ferrocyanide:	Potassium ferrocyanide:
EU Additional Classification.	US Classification and Label Text
EU Additional Classification. R: 32	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas.
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas.	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s):
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas.
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25 Safety statements: Do not breathe dust. Avoid contact with skin and eyes.	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s): blood.
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25 Safety statements: Do not breathe dust. Avoid contact with skin and eyes. Canadian Regulatory Information	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s): blood. US Regulatory Information
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25 Safety statements: Do not breathe dust. Avoid contact with skin and eyes. Canadian Regulatory Information WHMIS Classification	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s): blood. US Regulatory Information SARA Listed: Yes
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25 Safety statements: Do not breathe dust. Avoid contact with skin and eyes. Canadian Regulatory Information WHMIS Classification This product has been classified in accordance with the hazard criteria of	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s): blood. US Regulatory Information SARA Listed: Yes Deminimis: 1%
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25 Safety statements: Do not breathe dust. Avoid contact with skin and eyes. Canadian 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.	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s): blood. US Regulatory Information SARA Listed: Yes Deminimis: 1% Notes: This product is subject to SARA313 reporting requirements –
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25 Safety statements: Do not breathe dust. Avoid contact with skin and eyes. Canadian Regulatory Information WHMIS Classification This product has been classified in accordance with the hazard criteria of	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s): blood. US Regulatory Information SARA Listed: Yes Deminimis: 1%
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25 Safety statements: Do not breathe dust. Avoid contact with skin and eyes. Canadian 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.	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s): blood. US Regulatory Information SARA Listed: Yes Deminimis: 1% Notes: This product is subject to SARA313 reporting requirements – cyanide compounds.
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25 Safety statements: Do not breathe dust. Avoid contact with skin and eyes. Canadian 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: No, NDSL: No Sodium chloride:	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s): blood. US Regulatory Information SARA Listed: Yes Deminimis: 1% Notes: This product is subject to SARA313 reporting requirements – cyanide compounds. Sodium chloride:
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25 Safety statements: Do not breathe dust. Avoid contact with skin and eyes. Canadian 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: No, NDSL: No Sodium chloride: Canada Regulatory Information	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s): blood. US Regulatory Information SARA Listed: Yes Deminimis: 1% Notes: This product is subject to SARA313 reporting requirements – cyanide compounds. Sodium chloride: US Regulatory Information
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25 Safety statements: Do not breathe dust. Avoid contact with skin and eyes. Canadian 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: No, NDSL: No Sodium chloride: Canada Regulatory Information WHMIS Classification This product has been classified in accordance with	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s): blood. US Regulatory Information SARA Listed: Yes Deminimis: 1% Notes: This product is subject to SARA313 reporting requirements – cyanide compounds. Sodium chloride: US Regulatory Information SARA Listed: No
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25 Safety statements: Do not breathe dust. Avoid contact with skin and eyes. Canadian 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: No, NDSL: No Sodium chloride: 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	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s): blood. US Regulatory Information SARA Listed: Yes Deminimis: 1% Notes: This product is subject to SARA313 reporting requirements – cyanide compounds. Sodium chloride: US Regulatory Information
EU Additional Classification. R: 32 Risk statements: Contact with acids liberates very toxic gas. S: 22 24/25 Safety statements: Do not breathe dust. Avoid contact with skin and eyes. Canadian 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: No, NDSL: No Sodium chloride: Canada Regulatory Information WHMIS Classification This product has been classified in accordance with	US Classification and Label Text Risk statements: Contact with acids liberates very toxic gas. US Statements: Caution: Avoid contact and inhalation. Target organ(s): blood. US Regulatory Information SARA Listed: Yes Deminimis: 1% Notes: This product is subject to SARA313 reporting requirements – cyanide compounds. Sodium chloride: US Regulatory Information SARA Listed: No

Section 16 – Other Information

This Product is labeled in accordance with CFR21 (Food and Drugs), Section 809.10.

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.

N/A - Not Applicable or Not Available

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