	EXAXOL CHEMICAL CORPORATION	Revision nr. 1 Dated 10/4/2017			
S6512 - Se	Printed on 4/12/2017 Page n. 1/13				
Safety data sheet according to U.S.A. Federal Hazcom 2012					
SECTION 1. Ident	ification of the substance/mixture and of the compan	y/undertaking			
1.1. Product identifier Code: Product name	S6512 Selenium 1,000 ppm AA Standard in 2% Nitri	c Acid			
1.2. Relevant identified u Intended use	uses of the substance or mixture and uses advised against For laboratory use only.				
1.3. Details of the suppli Name Full address District and Country	er of the safety data sheet EXAXOL CHEMICAL CORPORATION 14325 60 TH ST N 33760 CLEARWATER - FLORIDA US Tel. 1-727-524-7732 Fax 1-727-532-8221				
e-mail address	info@exaxol.com				
1.4. Emergency telephon For urgent inquiries refer					
SECTION 2. Haza	rds identification.				
2.1. Classification of the	substance or mixture.				
product thus requires a safe any additional information of	oncerning the risks for health and/or the environment are given in sections 11				
Classification and Hazard S Eye irritation, category 2 Skin irritation, category 2	tatement. Causes serious eye irrita Causes skin irritation.	ation.			
Signal words:	Warning				
lazard statements:					
H319 H315	Causes serious eye irritation. Causes skin irritation.				

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Precautionary statements:

Prevention:	
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves / eye protection / face protection.
Response:	
P302+P352	IF ON SKIN: wash with plenty of water.
P305+P351+P338	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see label).
P332+P313	If skin irritation occurs: get medical advice.
P337+P313	If eye irritation persists: get medical advice / attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
Storage:	
Disposal:	

2.2. Other hazards.

The product is not classified as hazardous for environment pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP).

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification:
WATER		
CAS. 7732-18-5	50 - 100	
NITRIC ACID		
CAS. 7697-37-2	1 - 3	Oxidising liquid, category 3 H272, Skin corrosion, category 1A H314
Selenium Dioxide		
CAS. 7446-08-4	0 - 0.25	

Note: Upper limit is not included into the range.

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

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INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water.

Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION

In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

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The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

USA USA	NIOSH-REL OSHA-PEL	NIOSH publication No. 2005-149, 3th printing, 2007. Occupational Exposure Limits - Limits for Air Contaminants TABLE Z-1- 1910.1000.
USA	CAL/OSHA-PEL	California Division of Occupational Safety and Health (Cal-OSHA) Permissible Exposure Limits (PELs).
EU	OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
	TLV-ACGIH	ACGIH 2014

NITRIC ACID

Threshold Limit Value.

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Туре	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH	-	5.2	2	10.3	4
OEL	EU			2.6	1
OSHA	USA	5	2		
CAL/OSHA	USA	5	2	10	4
NIOSH	USA	5	2	10	4

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must comply with current regulations.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (OSHA 29 CFR 1910.138).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (OSHA 29 CFR 1910.133).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a NIOSH certified filter, whose class must be chosen according to the limit of use concentration (NIOSH 42 CFR 84, OSHA 29 CFR 1910.134). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus or external air-intake breathing apparatus. For a correct choice of respiratory protection device, see standard NIOSH 42 CFR 84 and OSHA 29 CFR 1910.134.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance Colour Odour Odour threshold. pH. Melting point / freezing point. Initial boiling point. Boiling range. Elach point	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Flash point.	> 93 °C.

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Evaporation Rate Flammability of solids and gases Lower inflammability limit. Upper inflammability limit. Lower explosive limit. Upper explosive limit. Vapour pressure. Vapour density Relative density. Solubility Partition coefficient: n-octanol/water Auto-ignition temperature. Decomposition temperature. Viscosity Explosive properties Oxidising properties

Not available. 1.006 Kg/l Not available. Not available. Not available. Not available. Not available. Not available. Not available.

9.2. Other information.

Information not available.

SECTION 10. Stability and reactivity.

10.1. Reactivity.

NITRIC ACID: decomposes at 84°C with possibility of self-ignition.

10.2. Chemical stability.

Information not available.

10.3. Possibility of hazardous reactions.

The product may react violently with water.

10.4. Conditions to avoid.

Avoid overheating. Prevent moisture or water from penetrating inside the containers.

NITRIC ACID: exposure to heat and light.

10.5. Incompatible materials.

NITRIC ACID: flammable substances, reducing substances, alcohol, basic substances and metals; acetone, acetic acid, acetic anhydride and certain plastics.

10.6. Hazardous decomposition products.

NITRIC ACID: nitric oxides.

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SECTION 11. Toxicologica	al information.	
11.1. Information on toxicological e	ffects.	
ne criteria specified in the applicable azardous substances indicated in sect cute effects: stinging eyes. Symptoms ngestion may cause health problems, in cute effects: contact with skin may cau	r the product itself, health hazards are evaluated according to the proper regulation for classification. It is therefore necessary to take into acc ion 3, to evaluate the toxicological effects of exposure to the product. may include: rubescence, edema, pain and lachrymation. Including stomach pain and sting, nausea and sickness. use: irritation, erythema, edema, dryness and chapped skin. Including stomach pain and sting, nausea and sickness.	
ITRIC ACID C50 (Inhalation).67 ppm/4h Rat		
SECTION 12. Ecological in	nformation.	
	product. Handle it according to good working practices. Avoid litterir rities, should the product reach waterways or sewers or contaminate so aquifers.	
12.2. Persistence and degradability		
NITRIC ACID		
Solubility in water. iodegradability: Information not availat	> 1000000 mg/l ble.	
12.3. Bioaccumulative potential.		
NITRIC ACID		
Partition coefficient: n- octanol/water.	< 3	
12.4. Mobility in soil.		
formation not available.		
12.5. Results of PBT and vPvB asse	essment.	
In the basis of available data, the prod	uct does not contain any PBT or vPvB in percentage greater than $0,1\%$.	
12.6. Other adverse effects.		

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SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to dangerous goods transport regulations. CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

14.1. UN number.

ADR / RID, IMDG, UN: 3264 IATA:

14.2. UN proper shipping name.

ADR / RID:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
IMDG:	CORŔOSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)

IATA:

14.3. Transport hazard class(es).

ADR / RID:	Class: 8	Label: 8
IMDG:	Class: 8	Label: 8
IATA:	Class: 8	Label: 8

14.4. Packing group.

ADR / RID, IMDG,	Ш
IATA:	

14.5. Environmental hazards.

ADR / RID: NO

14.6. Special precautions for user.



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ADR / RID:	Nr. Kemler: 80		Limited Quantity 5 L	Tunnel restriction code (E)
	Special Provision:	-		(_)
IMDG:	EMS: F-A, S-B		Limited	
IATA:	Cargo:		Quantity 5 L Maximum quantity: 60 L	Packaging instructions: 856
	Pass.:		Maximum quantity: 5 L	Packaging instructions: 852
	Special Instruction	IS:	A3, A803	
14.7. Transport in bulk accord	ding to Annex II of MARPOL73	/78 and the IBC Code.		
SECTION 15. Regula	atory information.			
o Lo mont for Rogard				
15.1. Safety, health and env	ironmental regulations/legisla	tion specific for the substance	or mixture.	
U.S. Federal Regulations.				
TSCA:				
All components are listed on TS	SCA Inventory.			
Clean Air Act Section 112(b):				
7446-08-4		Selenium Dioxide (Selenium compounds)		
Clean Air Act Section 602 Class	s I Substances:			
No component(s) listed.				
Clean Air Act Section 602 Class	s II Substances:			
No component(s) listed.				
<u>Clean Water Act –</u> <u>Priority Pollutants:</u>				
No component(s) listed.				
<u>Clean Water Act –</u> <u>Toxic Pollutants:</u>				
7446-08-4		Selenium Dioxide (Selenium compounds)		
DEA List I Chemicals (Precurso	or Chemicals):			

No component(s) listed.

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DEA List II Chemicals (Essential Chemicals)	<u></u>	
No component(s) listed.		
EPA List of Lists:		
313 Category Code:		
7446-08-4	Selenium Dioxide (Selenium compounds)	
7697-37-2	NITRIC ACÍD	
EPCRA 302 EHS TPQ:		
7697-37-2	NITRIC ACID	
EPCRA 304 EHS RQ:		
7697-37-2	NITRIC ACID	
CERCLA RQ:		
7446-08-4	Selenium Dioxide (Selenium	
7697-37-2	compounds) NITRIC ACID	
EPCRA 313 TRI:		
7446-08-4	Selenium Dioxide (Selenium compounds)	
7697-37-2	NITRIC ACID	
RCRA Code:		
No component(s) listed.		
CAA 112 (r) RMP TQ:		
No component(s) listed.		
State Regulations.		
Massachussetts:		
7446-08-4	Selenium Dioxide (Selenium compounds)	
7697-37-2	NITRIC ACID	
<u>Minnesota:</u>		
7446-08-4	Selenium Dioxide (Selenium compounds)	
7697-37-2	NITRIC ACID	
<u>New Jersey:</u>		
7446-08-4	Selenium Dioxide (Selenium compounds)	
7697-37-2	NITRIC ACID	
New York:		

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Selenium Dioxide (Selenium

Selenium Dioxide (Selenium

Selenium Dioxide (Selenium

compounds)

compounds)

compounds) NITRIC ACID

NITRIC ACÍD

NITRIC ACID

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7697-37-2

Pennsylvania:

7446-08-4

7697-37-2

<u>California:</u>

7446-08-4

7697-37-2

Proposition 65:

International Regulations.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Candadian WHMIS.

Information not available.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Liq. 3	Oxidising liquid, category 3
Acute Tox. 3	Acute toxicity, category 3
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1A	Skin corrosion, category 1A
Skin Corr. 1B	Skin corrosion, category 1B
Skin Corr. 1C	Skin corrosion, category 1C
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category
Aquatic Chronic 4	Hazardous to the aquatic environment, chronic toxicity, category
H272	May intensify fire; oxidiser.

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H391 Toxic if shallowed. H331 Toxic if inhaled. H333 May Cause damage to organs through prolonged or repeated exposure. H314 Causes serious eye damage. H319 Causes serious eye irritation. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. LEGEND: -313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code -ARR: European Agreement concerning the carriage of Dangerous goods by Road -CAA 112@ RMP TC: Risk Management Plan Threshold Quantity (Clean Air Act Section 112@) -CAS NUMER: Chemical Abstract Service Number -CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) -CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) -CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) -CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) -CERCLA RQ: Envinenty Haardnous Substatance Reportable Quantit		
H373 May cause damage to organs through prolonged or repeated exposure. H314 Causes servers skin burns and eye damage. H318 Causes service seye irritation. H319 Causes service sey eritration. H315 Causes service sey eritration. H410 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. LEGEND: - 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code - CAA 112 @ RMP TQ. Risk Management Plan Threshold Quantity (Clean Air Act Section 1128) - Code State Service Number - CAS NUMBER: Chemical Abstract Service Number - Cesportable Quantity (Section 302 Category Code) - DRA: Drug Enforcement Administration - Emergency Planning and Community Right-to Know Act - EPCRA: Sergency Schedule - EPCRA: Sergency Schedule - EPCRA: Serg	H301	Toxic if swallowed.
H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye inflation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. LEGEND: - 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code - ADR: European Agreement concerning the carriage of Dangerous goods by Road - CAA 112, 8 MPT Q: Risk Management Planning and Community Right-to Know Act Section 1128) - CSB: Effective concentration (required to fundue a 50% effect) - CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Llability Act) - CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Llability Act) - CERCLA RQ: Reportable Quantity (Section 302 Category Code) - EPCRA: Torgency Schedule - EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code) - EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code) - EPCRA 303 EHS TPQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code) <tr< td=""><th>H331</th><td>Toxic if inhaled.</td></tr<>	H331	Toxic if inhaled.
H318 Causes serious eye damage. H319 Causes serious eye irritation. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. LEGEND: 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code - ADR: European Agreement concerning the carriage of Dangerous goods by Road - - CSA: 112 & RMP TQ: Risk Management Plann Threshold Quantity (Clean Air Act Section 1128) - - CSA: Steffective concentration (required to induce a 50% effect) - - CER: Cleancery Schedule - - EPCRA: Caregory Schedule - - EPCRA: Sengency Schedule - - EPCRA: Senge	H373	May cause damage to organs through prolonged or repeated exposure.
H319 Causes serious eye irritation. H315 Causes skin irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. LEGEND: -313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code - ADR: European Agreement concerning the carriage of Dangerous goods by Road - - CAA 112 @ RMP TO: Risk Management Plan Threshold Quantity (Clean Air Act Section 1128) - - CAS NUMBER: Chemical Abstract Service Number - - CERCLA RC: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) - - CERCLA RC: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) - - CERCLA RC: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code) - - EPRCA 302 EHS TPC: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code) - - EPCRA 304 EHS RO: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code) - - EPRCA 304 EHS RO: Extremely Hazardous Substance T	H314	Causes severe skin burns and eye damage.
H315 Causes skin irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. LEGEND: 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code - ADR: European Agreement concerning the carriage of Dangerous goods by Road CAA 112 @ Marmful to Rub agreement concerning the carriage of Dangerous goods by Road - CAA 112 @ KMP TO: Risk Management Plan Threshold Quantity (Clean Air Act Section 1128) CAA 112 @ Marmful (Comprehensive Environment Response, Compensation, and Liability Act) - CESD: Effective concentration (required to induce a 50% effect) CERCAL RC: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) - CER: ARD: Plantity Comprehensive Environment Response, Compensation, and Liability Act) CEP: CR: Science Hazardous Substance Threshold Planning Quantity (Section 302 Category Code) - EPCRA 302 EHS TPC: Extremely Hazardous Substance Apportable Quantity (Section 302 Category Code) EPCRA 303 CHS Store Response Code of dangerous goods - HATA DGR: International Air Transport Association Dangerous Goods Regulation	H318	Causes serious eye damage.
H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. LEGEND: -313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code - ADR: European Agreement concerning the carriage of Dangerous goods by Road -CAA 112 @ MN PTO R: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®) - CSA: FIMP TOR: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®) -CAA 112 @ MN PTO R: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®) - CESD: Effective concentration (required to induce a 50% effect) -CESD: Effective concentration (required to induce a 50% effect) - CEPCA: Rice Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) -CLP: CF Qualitan 127/2008 - DEA: Drug Enforcement Administration -EPCRA: Singency Schedule -EPCRA: Singency Schedule - EPCRA: Singency Schedule -EPCRA: Singency Schedule -EPCRA: Singency Schedule - EPCRA: Singency Schedule -EPCRA: Singency Schedule -EPCRA: Singency Schedule - EPCRA: Singency Schedule -EPCRA: Singencobschedule -EPCRA: Singency Schedule <th>H319</th> <td>Causes serious eye irritation.</td>	H319	Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. LEGEND: -313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code - ADR: European Agreement concerning the carriage of Dangerous goods by Road - - CAA 112 @ RMP TO: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®) - - CAS NUMBER: Chemical Abstract Service Number - - CESCI. Reportable Outantity (Comprehensive Environment Response, Compensation, and Liability Act) - - CERCL ARC: Reportable Outantity (Comprehensive Environment Response, Compensation, and Liability Act) - - CERCL ARC: Reportable Outantity (Comprehensive Environment Response, Compensation, and Liability Act) - - CERCL ARC: Reportable Outantity (Section 313 Category Code) - - EPCRA 302 EHS TPC: Extremely Hazardous Substance Reportable Quantity (Section 302 Category Code) - - EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code) - - EPCRA 304 EHS RD: Extremely Hazardous Substance Threadol Planning Quantity (Section 302 Category Code) - - EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code	H315	Causes skin irritation.
H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. LEGEND: - 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code - ADR: European Agreement concerning the carriage of Dangerous goods by Road - CAA - CAA 112 @ RMP TO: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®) - CAS NUMBER: Chemical Abstract Service Number - CES0: Effective concentration (required to induce a 50% effect) - CECCLA RC: Regreportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) - CLP: EC Regreportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) - CLP: EC Regreportable Quantity (Section 302 Category Code) - EPCRA: 30: Droite Description (addition glassification and labeling of chemicals - EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code) - EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code) - EPCRA 314 (Harmonical Advection Substance Reportable Quantity (Section 302 Category Code) - EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code) - EPCRA 314 (Harmonical Advection Substance Reportable Quantity (Section 302 Category Code) - EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code) - EPCRA 314 (Harmonical Secoretration 50% - IMD	H400	Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. LEGEND: 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code - ADR: European Agreement concerning the carriage of Dangerous goods by Road - - CAA 112 @ MIP TQ: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®) - - CAS NUMBER: Chemical Abstract Service Number - CESC: Effective concentration (required to induce a 50% effect) - CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) - OLP: EC Regulation 1272/2008 - DA: Drug Enforcement Administration - EPR: US Environmental Protection Agency - EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code) - EPCRA 317 RI: Toxics Release Invertory (Section 313 Category Code) - EPCRA 317 RI: Toxics Release Invertory (Section 313 Category Code) - Globally Harmonized System of classification and labeling of chemicals - IATA DGR: International Maritime Code for dangerous goods Regulation - IGS: Enthal Concentration 50% - - LDSO: Lethal Consource l	H410	Very toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life. LEGEND: -313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code - ADR: European Agreement concerning the carriage of Dangerous goods by Road - - CAA 112 @ RMF TQ: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®) - - CAS NUMBER: Chemical Abstract Service Number - C CESCL RC: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) - C CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) - C CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) - C CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) - C CERCLA RQ: Reportable Quantity (Section 302 Category Code) - EPCRR 3: Drug Enforcement Administration - EPCRA 3: Drug Ethers Reportable Quantity (Section 302 Category Code) - EPCRA 3: Drug Ethers Reportable Quantity (Section 313 Category Code) - EPCRA 3: Drug Ethers Reportable Quantity (Section 312 Category Code) - EPCRA 3: Drug Ethers Reportable Quantity (Section 302 Category Code) - EPCRA 3: Drug Ethers Reportable dissification and labeling of chemicals <td< td=""><th>H411</th><td>Toxic to aquatic life with long lasting effects.</td></td<>	H411	Toxic to aquatic life with long lasting effects.
LEGEND: - 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code - ADR: European Agreement concerning the carriage of Dangerous goods by Road - CAA 112 @ RMP TO: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®) - CAS NUMBER: Chemical Abstract Service Number - CE50: Effective concentration (required to induce a 50% effect) - CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act) - CLP: EC Regulation 127/2008 - DEA: Drug Enforcement Administration - Emergency Schedule - EPA: US Environmental Protection Agency - EPCRA: The mergency Planning and Community Right-to Know Act - EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code) - EPCRA 302 EHS TPQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code) - EPCRA 303 TRI: Toxics Release Inventory (Section 313 Category Code) - EPCRA 303 TRI: Toxics Release Inventory (Section 313 Category Code) - EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code) - EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code) - EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code) - EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code) - EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code) - EPCRA 104 EHS RC: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code) - EPCRA 105. International Air Transport Association Dangerous Goods Regulation - (C50: International Maritime Coganization - LC50: Lethal dose 50% - OEL: Occupational Exposure Level - PEL: Predicted exposure level - RCRA Code: Resource Conservation and Recovery Act Code - RCRA Code: Resource Conservation an	H412	Harmful to aquatic life with long lasting effects.
 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code ADR: European Agreement concerning the carriage of Dangerous goods by Road CCA 112@ RMP TQ: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®) CAS NUMBER: Chemical Abstract Service Number CES0: Effective concentration (required to induce a 50% effect) CCP: EC Regulation 1272/2008 DEA: Drug Enforcement Administration EmS: Emergency Schedule EPA: US Environmental Protection Agency EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code) EPCRA 302 EHS TPQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code) EPCRA 302 EHS TPQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code) EPCRA 302 EHS TPQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code) EPCRA 304 EHS RQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code) EPCRA 304 EHS RQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code) EPCRA 304 EHS RQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code) EPCRA 304 EHS RQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code) EDCS: International Air Transport Association and labeling of chemicals IATA DER: International Maritime Code for dangerous goods IMO: International Maritime Code for dangerous goods IMO: International Maritime Code for dangerous goods by train LOS0: Lethal Concentration 50% LOS0: Lethal Concentration 50% CES0: Lethal Concentration for CES0: Lethal Concentration for CES0: Lethal Concentration that should not be exceeded during any time of occupational exposure. TSCA: Fox Concentration that should not be exceeded during an	H413	May cause long lasting harmful effects to aquatic life.
 Handling Chemical Safety Niosh - Registry of Toxic Effects of Chemical Substances INRS - Fiche Toxicologique (toxicological sheet) Patty - Industrial Hygiene and Toxicology N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition ECHA website 6 NYCRR part 597 Cal/OSHA website California Safe Drinking Water and Toxic Enforcement Act EPA website 		

Revision nr. 1

S6512 - Selenium 1,000 ppm AA Standard in 2% Nitric Acid

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Hazard Comunication Standard (HCS 2012)

IARC website

List Of Lists EPA: Consolidated List of Chemicals Subject to EPCRA, CERCLA and Section 112® of the Clean Air Act

Massachussetts 105 CMR Department of public health 670.000: "Right to Know"

Minensota Chapter 5206 Departemnt Of Labor and Industry Hazardous Substances, Employee "Right to Know".

- New Jersey Worker and Community Right to know Act N.J.S.A. NTP. 2011. Report on Carcinogens, 12th Edition.
- OSHA website

Pennsylvania, Hazardous Substance List, Chapter 323

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.