EXAXOL CHEMICAL CORPORATION Revision nr. 1		Revision nr. 1
		Dated 6/6/2022
		First compilation
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S	afety Data Sheet	
Acco	rding to U.S.A. Federal Hazcom 2012	
1. Identification		
1.1. Product identifier	0304	
	0304 rcuric Nitrate 0.141N	
1.2. Relevant identified uses of the substance or mixtu Intended use For laboratory use only.	re and uses advised against	
1.3. Details of the supplier of the safety data sheet Name EX	AXOL CHEMICAL CORPORATION	
Full address 143	325 60 TH ST N	
District and Country 337 US	760 CLEARWATER - FLORIDA	
	. 1-727-524-7732	
Fax	k 1-727-532-8221	
e-mail address		
info	o@exaxol.com	
1.4. Emergency telephone number For urgent inquiries refer to 1-8	00-255-3924	
	emTel Inc.	
2. Upperde identification		
2. Hazards identification		
2.1. Classification of the substance or mixture		
The product is classified as hazardous pursuant to the prov product thus requires a safety datasheet.	isions set forth in OSHA Hazard Communica	tion Standard (HCS) (29 CFR 1910.1200). The
Any additional information concerning the risks for health an	d/or the environment are given in sections 11	and 12 of this sheet.
Classification and Hazard Statement		
Hazard pictograms:		
Acute toxicity, category 3	Toxic if swallowed.	
Acute toxicity, category 3	Toxic in contact with skin.	
Acute toxicity, category 4	Harmful if inhaled.	
Specific target organ toxicity - repeated exposure, category	/ 2 May cause damage to organs through	
	prolonged or	
	repeated exposure.	

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Signal words:	Danger	
Hazard statements:		
11204 - 11244	Tavia if availanced as in a saturat with all in	
H301+H311 H332	Toxic if swallowed or in contact with skin. Harmful if inhaled.	
H373	May cause damage to organs through prolonged or repeated exposure.	
Precautionary statements:	:	
Drovention		
Prevention: P260	Do not breathe dust / fume / gas / mist / vapours / spray.	
P280	Wear protective gloves / clothing.	
P270	Do not eat, drink or smoke when using this product.	
P271 P264	Use only outdoors or in a well-ventilated area.	
Response:	Wash skin thoroughly after handling.	
P301+P310	IF SWALLOWED: immediately call a POISON CENTER / doctor.	
P312 P304+P340	Call a POISON CENTER / doctor / / if you feel unwell.	
P330	IF INHALED: remove person to fresh air and keep comfortable for breathing. Rinse mouth.	
P302+P352	IF ON SKIN: wash with plenty of water.	
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.	
Storage: P405	Store locked up.	
Disposal:		
P501	Dispose of contents / container to an approved waste disposal plant.	
2.2. Other hazards		
Environmental classification	on as for Reg. (EU) 1272/2008 (CLP):	
The product is classified a	as hazardous for environment pursuant to the provisions set forth in EC Regulation 1272/2	2008 (CLP).
Classification and Hazard Hazardous to the aquati	Statement c environment, chronic toxicity, category 3 Harmful to aquatic life with long la	asting effects.
Hazard statements:		
H412	Harmful to aquatic life with long lasting effects.	
Precautionary statements:		
Prevention:	Avoid release to the environment	
P273 Response:	Avoid release to the environment.	
Storage:		
 Disposal:		
P501	Dispose of contents / container to an approved waste disposal plant.	

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Additional hazards

Information not available

3. Composition/information on ingredients

3.2. Mixtures

Contains:

x = Conc. %	Classification:
97 ≤ x < 99	
2 ≤ x < 2,5	Acute toxicity, category 1 H310, Acute toxicity, category 2 H300, Acute toxicity, category 2 H330, Specific target organ toxicity - repeated exposure, category 2 H373, Hazardous to the aquatic environment, acute toxicity, category 1 H400 M=1, Hazardous to the aquatic environment, chronic toxicity, category 1 H410 M=1
	97 ≤ x < 99

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

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 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

5. Fire-fighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT

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None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

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).

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

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. 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.

7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

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Information not available

8. Exposure controls/personal protection

8.1. Control parameters

Information not available

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. Personal protective equipment must comply with current regulations.

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 I professional long-sleeved overalls and safety footwear. 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, 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.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Not available

Not available Not available

Not available

Not available

1.02

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

9.2. Other information

Information not available

10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

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Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

Acute toxicity, category 3. Toxic if swallowed or in contact with skin. Acute toxicity, category 4. Harmful if inhaled.

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, and OSHA.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

May cause damage to organs

ASPIRATION HAZARD

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Does not meet the classification criteria for this hazard class

12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment. **12.1. Toxicity**

Information not available

12.2. Persistence and degradability

Information not available

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. Transport information

UN 3287, Toxic Liquid, Inorganic, n.o.s., (Mercuric Nitrate), 6.1, PG III

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal Regulations

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Clean Air Act Section 112(b):

7783-34-8

Mercury(II) Nitrate Monohydrate (Mercury inorganic compounds)

Clean Air Act Section 602 Class I Substances:

No component(s) listed.

Clean Air Act Section 602 Class II Substances:

No component(s) listed.

<u>Clean Water Act –</u> Priority Pollutants:

No component(s) listed.

<u>Clean Water Act –</u> Toxic Pollutants:

7783-34-8

DEA List I Chemicals (Precursor Chemicals):

No component(s) listed.

DEA List II Chemicals (Essential Chemicals):

No component(s) listed.

EPA List of Lists:

313 Category Code:

7783-34-8

EPCRA 302 EHS TPQ:

No component(s) listed.

EPCRA 304 EHS RQ:

No component(s) listed.

CERCLA RQ:

No component(s) listed.

EPCRA 313 TRI:

7783-34-8

RCRA Code:

Mercury(II) Nitrate Monohydrate (Mercury inorganic compounds)

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No component(s) listed.		
CAA 112 (r) RMP TQ:		
No component(s) listed.		
State Regulations		
Massachussetts:		
No component(s) listed.		
<u>Minnesota:</u>		
No component(s) listed.		
New Jersey:		
7783-34-8	Mercury(II) Nitrate Monohydrate (Mercury inorganic compounds)	
7783-34-8	Mercury(II) Nitrate Monohydrate (Mercury inorganic compounds)	
New York:		
No component(s) listed.		
Pennsylvania:		
No component(s) listed.		
California:		
7783-34-8	Mercury(II) Nitrate Monohydrate (Mercury inorganic compounds)	
Proposition 65:		
WARNING! This product contains chemicals know	wn to the State of California to cause cancer and birth o	defects or reproductive harm.
7783-34-8	Mercury(II) Nitrate Monohydrate (Mercury inorganic compounds)	
International Regulations		
Substances subject to exportation reporting pursu	uant to (EC) Reg. 649/2012:	
None		
Substances subject to the Rotterdam Convention	<u>.</u>	

Mercury(II) Nitrate Monohydrate - (MERCURY COMPOUNDS)

Mercury(II) Nitrate Monohydrate - (MERCURY COMPOUNDS)

Substances subject to the Stockholm Convention:

None

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Candadian WHMIS

Information not available

16. Other information

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

H310	Fatal in contact with skin.
H300	Fatal if swallowed.
H330	Fatal if inhaled.
H301+H311	Toxic if swallowed or in contact with skin.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very 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 TQ: 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 1272/2008
- DEA: Drug Enforcement Administration
- EmS: Emergency Schedule
- EPA: US Environmental Protection Agency
- EPCRA: Emergency Planning and Community Right-to Know Act
- EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code)
- EPCRA 304 EHS RQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code)
- EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code)
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- **OEL: Occupational Exposure Level**
- PEL: Predicted exposure level
- RCRA Code: Resource Conservation and Recovery Act Code
- **REL:** Recommended exposure limit
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TSCA: Toxic Substances Control Act
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- WHMIS: Workplace Hazardous Materials Information System.

GENERAL BIBLIOGRAPHY:

- GHS rev. 3
- The Merck Index. 10th Edition
- Handling Chemical Safety
- Niosh Registry of Toxic Effects of Chemical Substances

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- INRS - Fiche Toxicologique (toxicological sheet)

- Patty - Industrial Hygiene and Toxicology

- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

- ECHA website

- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

- 6 NYCRR part 597

- Cal/OSHA website - California Safe Drinking Water and Toxic Enforcement Act

- EPA website

- 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.

Changes to previous review:

The following sections were modified:

09.