

SAFETY DATA SHEET

Preparation Date: 12/11/2017

Revision Date: 12/11/2017

Revision Number: G1

1. IDENTIFICATION

Product identifier

Product code: AA210
Product Name: LEAD ATOMIC ABSORPTION STANDARD

Other means of identification

Synonyms: No information available
CAS #: Mixture
RTECS # Not available
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: No information available.
Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
 14422 South San Pedro St.
 Gardena, CA 90248
 (310) 516-8000

Order Online At: <https://www.spectrumchemical.com>
Emergency telephone number Chemtrec 1-800-424-9300
Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 2
Corrosive to metals	Category 1

Label elements

Danger

Hazard statements

Causes severe skin burns and eye damage
 Suspected of causing cancer
 Suspected of damaging fertility or the unborn child
 May be corrosive to metals



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Not available

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Keep only in original container
 Absorb spillage to prevent material damage.

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Water	7732-18-5	97.9
Nitric acid	7697-37-2	2
Lead	7439-92-1	0.1

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Skin Contact: Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Get medical attention immediately. Call a physician or Poison Control Centre immediately.

Eye Contact: Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a

physician or Poison Control Centre immediately.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Do not induce vomiting without medical advice. If victim is conscious, give water or milk. Follow with Milk of Magnesia or egg whites beaten with water. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms Severe skin and eye irritation or burns
Causes eye damage
Causes digestive (gastrointestinal) tract irritation
May cause gastrointestinal (digestive) tract burns
Abdominal pain
May cause nausea and vomiting

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: No information available.

Specific hazards: Nonflammable.

Special Protective Actions for Firefighters

Specific Methods: No information available.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Avoid contact with skin, eyes and clothing. Remove all sources of ignition.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk.

Methods for cleaning up Neutralize with Sodium carbonate or Sodium bicarbonate. Absorb spill with inert material (e.g. vermiculite, dry sand or earth), then place in a suitable chemical waste container. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe vapors or spray mist. Use only in well-ventilated areas. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep in a well-ventilated place. Keep container tightly closed. Store at room temperature in the original container. Store in a segregated and approved area. Store away from incompatible materials.

Incompatible Materials:

Reducing agents
Metals
Bases
Organic materials
Strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Water	7732-18-5	None	None	None	None
Nitric acid	7697-37-2	2 ppm TWA 5 mg/m ³ TWA	2 ppm TWA 5 mg/m ³ TWA 4 ppm STEL 10 mg/m ³ STEL	4 ppm STEL 2 ppm TWA	No information available
Lead	7439-92-1	50 µg/m ³ TWA	0.050 mg/m ³ TWA	0.05 mg/m ³ TWA	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Water	7732-18-5	None	None	None	None
Nitric acid	7697-37-2	2 ppm TWA 5.2 mg/m ³ TWA 4 ppm STEL 10 mg/m ³ STEL	2 ppm TWA 4 ppm STEL	2 ppm TWA 4 ppm STEL	2 ppm TWAEV 5.2 mg/m ³ TWAEV 4 ppm STEV 10 mg/m ³ STEV
Lead	7439-92-1	0.05 mg/m ³ TWA	0.05 mg/m ³ TWA	0.05 mg/m ³ TWA	0.05 mg/m ³ TWAEV

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Water	7732-18-5	None	None
Nitric acid	7697-37-2	4 ppm STEL 10 mg/m ³ STEL 2 ppm TWA 5.2 mg/m ³ TWA	2 ppm TWA 5 mg/m ³ TWA 4 ppm STEL 10 mg/m ³ STEL
Lead	7439-92-1	0.15 mg/m ³ TWA	0.15 mg/m ³ TWA

Appropriate engineering controls

Engineering measures to reduce exposure:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Face-shield

Skin and body protection: Long sleeved clothing
Chemical resistant apron
Gloves
If working with large quantities:
Chemical resistant protective suit
Boots

Respiratory protection: Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:
Liquid

Appearance:
Clear.

Color:
Colorless.

Odor:
No information available.

Taste:
No information available.

Formula:
No information available

Molecular/Formula weight:

Product code: AA210

Product name: LEAD ATOMIC
ABSORPTION STANDARD

5 / 15

No information available

Flash Point Tested according to:
Not available

Upper Explosion Limit (%):
No information available

Boiling point/range(°C/°F):
No information available

Specific gravity:
Weighted average= 1

Evaporation rate:
No information available

Odor threshold (ppm):
No information available

Miscibility:
No information available

Flammability:
No information available

Autoignition Temperature (°C/°F):
No information available

Melting point/range(°C/°F):
No information available

Bulk density:
No information available

pH:
No information available

Vapor density:
No information available

**Partition coefficient
(n-octanol/water):**
No information available

Solubility:
Easily soluble in cold water

Flashpoint (°C/°F):
No information available.

Lower Explosion Limit (%):
No information available

Decomposition temperature(°C/°F):
No information available

Density (g/cm3):
No information available

Vapor pressure @ 20°C (kPa):
No information available

VOC content (g/L):
No information available

Viscosity:
No information available

10. STABILITY AND REACTIVITY

Reactivity

No information available

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Incompatible materials.

Incompatible Materials:
Reducing agents
Metals
Bases
Organic materials
Strong oxidizing agents

Hazardous decomposition products: No information available.

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Eyes. Ingestion. Inhalation. Skin.

Acute Toxicity

Component Information

Water	
CAS-No.	7732-18-5

LD50/oral/rat = > 90 mL/kg Oral LD50 Rat
LD50/oral/mouse = No information available
LD50/dermal/rabbit = No information available
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50information = No information available

Nitric acid	
CAS-No.	7697-37-2

LD50/oral/rat = No information available
LD50/oral/mouse = No information available
LD50/dermal/rabbit = No information available
LD50/dermal/rat = No information available
LC50/inhalation/rat = 67 ppm Inhalation LC50 Rat 4 h
130 mg/m³ 4 h
7 mg/l 1 h
LC50/inhalation/mouse = No information available
Other LD50 or LC50information = 430 mg/kg Oral LDL Rat

Lead	
CAS-No.	7439-92-1

LD50/oral/rat = No information available
LD50/oral/mouse = No information available
LD50/dermal/rabbit = No information available
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50information = No information available

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = No information available

LD50/oral/mouse =
Value - Acute Tox Oral = No information available

LD50/dermal/rabbit
VALUE-Acute Tox Dermal = No information available

LD50/dermal/rat
VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact:	Causes severe irritation and burns.
Eye Contact:	Severe eye irritation. Causes eye burns. Possible eye damage.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Causes digestive (gastrointestinal) tract irritation. May cause digestive (gastrointestinal) tract burns. May cause abdominal pain. Ingestion may cause nausea, vomiting.
Aspiration hazard	No information available.

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

Chronic Toxicity	Prolonged or repeated exposure may cause discoloration and/or erosion of the teeth (dental enamel). Eye irritation and respiratory symptoms resembling those of frequent upper respiratory viral infections have been associated with chronic Nitric acid exposure. Prolonged or repeated inhalation may produce changes in pulmonary function and/or chronic bronchitis.
Sensitization:	No information available.
Mutagenic Effects:	No information available
Carcinogenic effects:	Suspected of causing cancer.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
Nitric acid	7697-37-2	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
Lead	7439-92-1	Group 2A - Probably Carcinogenic to Humans - Monograph 87 [2006] Monograph 87 evaluates inorganic lead compounds as Group 2A and organic lead compounds as Group 3. CAS 7439-92-1 still assigned 2B on IARC website even though Monograph 87 assigns 2A with more recent date.	A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans	Reasonably Anticipated To Be A Human Carcinogen	Present	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity Suspected of damaging fertility or the unborn child

Reproductive Effects: May cause adverse reproductive effects based on animal data
Experiments have shown reproductive toxicity effects on laboratory animals

Developmental Effects: May cause adverse developmental effects based on animal data

Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.
STOT - repeated exposure No information available.
Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Nitric acid - 7697-37-2
Freshwater Fish Species Data: 72 mg/L LC50 Gambusia affinis 96h

Lead - 7439-92-1
Freshwater Fish Species Data: 0.44 mg/L LC50 Cyprinus carpio 96 h semi-static 1 1.17 mg/L LC50 Oncorhynchus mykiss 96 h flow-through 1 1.32 mg/L LC50 Oncorhynchus mykiss 96 h static 1

Water Flea Data: 600 µg/L EC50 water flea 48 h

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Water	7732-18-5	None	None	None	None
Nitric acid	7697-37-2	None	None	None	None
Lead	7439-92-1	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: UN2031
Proper Shipping Name: Nitric acid, solution
Hazard Class: 8

Subsidiary Class No information available
Packing group: II
Emergency Response Guide Number No information available
Marine Pollutant Marine Pollutant
DOT RQ (lbs): No information available
Special Provisions No Information available
Symbol(s): No information available
Description: UN2031,Nitric acid ,8,PG II

TDG (Canada)
UN-No: UN2031
Proper Shipping Name: Nitric acid, solution
Hazard Class: 8
Subsidiary Risk: No information available
Packing Group: II
Marine Pollutant No Information available
Description: UN2031,NITRIC ACID,8,PG II

ADR
UN-No: UN2031
Proper Shipping Name: Nitric acid, solution
Hazard Class: 8
Packing Group: II
Subsidiary Risk: No information available
Description: UN2031 Nitric acid,8,II

IMO / IMDG
UN-No: UN2031
Proper Shipping Name: Nitric acid, solution
Hazard Class: 8
Subsidiary Risk: 5.1
Packing Group: II
Marine Pollutant Marine Pollutant
EMS: F-A

RID
UN-No: UN2031
Proper Shipping Name: Nitric acid, solution
Hazard Class: 8
Subsidiary Risk: No information available
Packing Group: II
Description: UN2031 Nitric acid,8,II

ICAO
UN-No: UN2031
Proper Shipping Name: Nitric acid, solution
Hazard Class: 8
Subsidiary Risk: No information available
Packing Group: II
Description: UN2031,Nitric acid,8,PG II

IATA
UN-No: UN2031
Proper Shipping Name: Nitric acid, solution
Hazard Class: 8
Subsidiary Risk: No information available
Packing Group: II
ERG Code: 8L

**Special Provisions
Description:**

No information available
UN2031,Nitric acid,8,PG II

15. REGULATORY INFORMATION

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Water	7732-18-5	Present	Present KE-35400	Present	Not present	Present	Present	Present 231-791-2
Nitric acid	7697-37-2	Present	Present KE-25911	Present	Present (1)-394	Present	Present	Present 231-714-2
Lead	7439-92-1	Present	Present KE-21887	Present	Not present	Present	Present	Present 231-100-4

U.S. Regulations

Nitric acid

Massachusetts RTK: Present

Massachusetts EHS: extraordinarily hazardous

New Jersey RTK Hazardous Substance List: 1356

New Jersey (EHS) List: 1356 500 lb TPQ

New Jersey - Discharge Prevention - List of Hazardous Substances: Present

New Jersey TCPA - EHS: 15000lbTQ

450lbTQ

Pennsylvania RTK: Environmental hazard

Pennsylvania RTK - Environmental Hazard List Present

Michigan PSM HHC: = 500 lb TQ 94.5% by weight or greater

Minnesota - Hazardous Substance List: Present

New York Release Reporting - List of Hazardous Substances:

1000 lb RQ

100 lb RQ

Louisiana Reportable Quantity List for Pollutants: 1000lbfinal RQAs listed in 40 CFR 117.3 Table 117.3 and 40 CFR 302.4 Table 302.4

454kgfinal RQAs listed in 40 CFR 117.3 Table 117.3 and 40 CFR 302.4 Table 302.4

1000lbRQAs listed in Louisiana Administrative Code, Title 33, Part 1, Subpart 2, Chapter 39, Subchapter E. Applies to unauthorized emissions based on total mass emitted into or onto all media within any consecutive 24-hour period

100lbRQAs listed in Louisiana Administrative Code, Title 33, Part 1, Subpart 2, Chapter 39, Subchapter E. Applies to unauthorized emissions based on total mass emitted into the atmosphere

California Directors List of Hazardous Substances: Present

Lead

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 1096

New Jersey (EHS) List: 1096 500 lb TPQ

New Jersey - Discharge Prevention - List of Hazardous Substances: Present

Pennsylvania RTK: Environmental hazard

Pennsylvania RTK - Environmental Hazard List Present

Michigan - Critical Materials List: Present

Minnesota - Hazardous Substance List: Present

New York Release Reporting - List of Hazardous Substances:

10 lb RQ

Louisiana Reportable Quantity List for Pollutants: 10lbfinal RQno reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is $\geq 100 \mu\text{m}$

4.54kgfinal RQno reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is $\geq 100 \mu\text{m}$

California Directors List of Hazardous Substances: Present

FDA - Direct Food Additives 21 CFR 172.869

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

 **WARNING:** This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

Chemicals Known to the State of California to Cause Reproductive Toxicity:

⚠ WARNING: This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Water	7732-18-5	Not Listed	Not Listed	Not Listed	Not Listed
Nitric acid	7697-37-2	Not Listed	Not Listed	Not Listed	Not Listed
Lead	7439-92-1	carcinogen	developmental toxicity	male reproductive toxicity	female reproductive toxicity

CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Water	7732-18-5	None	None	None	None	None
Nitric acid	7697-37-2	1000 lb final RQ 454 kg final RQ	1000 lb TPQ 1000 lb EPCRA RQ	None	None	1.0 % de minimis concentration
Lead	7439-92-1	10 lb final RQ 4.54 kg final RQ	None	None	None	0.1 % Supplier notification limit 0.1 % de minimis concentration

U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Water	7732-18-5	Not Applicable	Not Applicable
Nitric acid	7697-37-2	Not Applicable	Not Applicable
Lead	7439-92-1	Not Applicable	Effective 2/28/08, Sunset 4/28/08reporting requirements apply only to manufacturers and importers of consumer products intended for use by children who also manufacture or import Lead or Lead compounds

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component
Water
7732-18-5 (97.9)
Nitric acid
7697-37-2 (2)

Lead
7439-92-1 (0.1)

WHMIS 2015 Hazard Classification
Not a dangerous product according to HPR classification criteria

Oxidizing liquids - Category 3: H272 May intensify fire, oxidizer.; Corrosive to Metals - Category 1: H290 May be corrosive to metals. (potentially corrosive to metals; the supplier should be contacted for more information); Health Hazard Not Otherwise Classified - Category 1: Causes severe damage to the respiratory tract; Skin corrosion/irritation - Category 1: H314 Causes severe skin burns and eye damage.; Serious Eye Damage/Eye Irritation - Category 1: H318 Causes serious eye damage.
Carcinogenicity - Category 2: H351 Suspected of causing cancer.; Reproductive Toxicity - Category 1: H360 May damage fertility or the unborn child.; Specific target organ toxicity - Repeated exposure - Category 1: H372 Causes damage to organs through prolonged or repeated exposure.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

WHMIS 1988 Hazard Class

E Corrosive material

Components

Water

Nitric acid

Lead

WHMIS 1988

Uncontrolled product according to WHMIS classification criteria

C,E including 61.3%, 67.18%, 70%

E 0.63%, 6.3%

D2A

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Nitric acid	1 %
Lead	0.1 %

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Water	7732-18-5	Present	Not Listed
Nitric acid	7697-37-2	Present	Not Listed
Lead	7439-92-1	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Water	7732-18-5	Not listed
Nitric acid	7697-37-2	Not listed
Lead	7439-92-1	Present

Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Water	7732-18-5	Not listed
Nitric acid	7697-37-2	Not listed
Lead	7439-92-1	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Water	7732-18-5	
Nitric acid	7697-37-2	Oxidizing liquids - Ox. Liq. 2: H272 May intensify fire, oxidizer. (C >= 99 %); Skin corrosion/irritation - Skin Corr. 1A: H314 Causes severe skin burns and eye damage. (C >= 20 %); Supplemental Hazards: EUH071 Corrosive to respiratory tract.007-004-00-1 Oxidizing liquids - Ox. Liq. 2: H272 May intensify fire, oxidizer. (C >= 99 %); Oxidizing liquids - Ox. Liq. 3: H272 May intensify fire, oxidizer. (65 % <= C <99 %); Skin corrosion/irritation - Skin Corr. 1A: H314 Causes severe skin burns and eye damage. (C >= 20 %); Skin corrosion/irritation - Skin Corr. 1B: H314 Causes severe skin burns and eye damage. (5 % <= C <20 %)007-004-00-1
Lead	7439-92-1	Reproductive Toxicity - Repr. 1A:

		H360FD May damage fertility. May damage the unborn child. (particle diameter ≥ 1 mm); Reproductive Toxicity - Lact.: H362 May cause harm to breast-fed children. (particle diameter ≥ 1 mm)082-014-00-7
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EU - CLP (1272/2008)

R-phrase(s)

R34 - Causes burns.

S-phrase(s)

S23 - Do not breathe gas/fumes/vapor/spray.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 - Wear suitable protective clothing.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Water	7732-18-5		No information	
Nitric acid	7697-37-2	C; R35 O; R8	20% \leq C C;R35 5% \leq C<20% C;R34 70% \leq C O;R8	S1/2 S23 S26 S36 S45
Lead	7439-92-1		0.5% \leq C<1% T;R61-33 1% \leq C<5% T;R61-20/22-33 5% \leq C T;R61-20/22-33-62	S53-S45-S60-S61

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

C - Corrosive.



16. OTHER INFORMATION

Preparation Date: 12/11/2017
Revision Date: 12/11/2017
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular

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End of Safety Data Sheet