



# SAFETY DATA SHEET

Preparation Date: 10/14/2015 Revision date 11/19/2019 Revision Number: G2

## 1. IDENTIFICATION

**Product identifier** 

Product code: N-170

Product Name: NITRIC ACID, 20 PERCENT (W/V) AQUEOUS SOLUTION

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:Tom Tyner (USA - West Coast)Contact Person:Ibad Tirmiz (USA - East Coast)

### 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by 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
Corrosive to metals	Category 1

#### Label elements

Danger

Hazard statements

Causes severe skin burns and eye damage

May be corrosive to metals

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### Hazards not otherwise classified (HNOC)

Not Applicable

#### Other hazards

Not available

#### **Precautionary Statements - Prevention**

Do not breathe mist or vapors

Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Keep only in original container

### **Precautionary Statements - Response**

Immediately call a POISON CENTER or physician

Absorb spillage to prevent material damage

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 physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

### **Precautionary Statements - Storage**

Store locked up

Store in corrosive resistant/ .? container with a resistant inner liner

## **Precautionary Statements - Disposal**

Dispose of contents and container to an approved waste disposal plant in accordance with local, regional, national and international regulations as applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	Weight-%
Water	7732-18-5	82
Nitric acid	7697-37-2	18

#### 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. First aider needs to protect

himself.

**Skin Contact:** Wash off immediately with soap and plenty of water. Continue flushing with plenty of water

for at least 15 minutes. Remove all contaminated clothes and shoes. Immediate medical

attention is required. Call a physician immediately.

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

physician immediately.

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

> respiration. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is

required. Call a physician immediately.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an

> unconscious person. If victim is conscious, give water or milk. Follow with Milk of Magnesia or egg whites beaten with water. Immediate medical attention is required. Call a physician

or Poison Control Center immediately.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Severe skin and eye irritation or burns

Dyspnea (Shortness of breath and difficulty breathing)

Abdominal pain Vomitina

#### 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 No information available.

**Special Protective Actions for Firefighters** 

No information available **Specific Methods:** 

**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

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### 6. ACCIDENTAL RELEASE MEASURES

## Personal precautions, protective equipment and emergency procedures

Personal Precautions: Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Do not touch

damaged containers or spilled material unless wearing appropriate protective clothing. Use

personal protective equipment. Avoid contact with skin, eyes and clothing.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Should not be released into the

environment. Do not let product enter drains. Do not flush into surface water or sanitary sewer system. 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. Dilute with water.

Absorb or cover with dry earth, sand or other non-combustible material and

transfer to containers. Clean contaminated surface thoroughly.

# 7. HANDLING AND STORAGE

#### Precautions for safe handling

### **Technical Measures/Precautions:**

Use only in area provided with appropriate exhaust ventilation. 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. Handle in accordance with good industrial hygiene and safety practice.

# Conditions for safe storage, including any incompatibilities

# **Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. May corrode metallic surfaces. Do not store in uncoated metallic containers. Store in a segregated and approved area. Store away from incompatible materials.

### **Incompatible Materials:**

Bases
Reducing agents
Combustible materials
Organic materials
Metals
Acids

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

# **National occupational exposure limits**

### **United States**

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
Water	7732-18-5	None	None	None	None
Nitric acid	7697-37-2	2 ppm TWA	2 ppm TWA	4 ppm STEL	No information

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5 mg/m³ TWA	5 mg/m³ TWA 4 ppm STEL	2 ppm TWA	available
	10 mg/m <sup>3</sup> STEL		

#### Canada

Component	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/m³ TWA 4 ppm STEL 10 mg/m³ STEL	2 ppm TWA 4 ppm STEL	4 ppm STEL	None

### **Australia and Mexico**

Component	CAS No	Australia	Mexico
Water	7732-18-5	None	None
Nitric acid	7697-37-2	4 ppm STEL 10 mg/m³ STEL 2 ppm TWA 5.2 mg/m³ TWA	2 ppm TWA 4 ppm STEL

# **Appropriate engineering controls**

Engineering measures to reduce exposure: Ensure adequate ventilation. 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: Chemical resistant protective suit

Gloves Boots

**Respiratory protection:** Vapor respirator. 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: Appearance: Color:

Liquid No information available. Colorless to pale yellow.

Odor: Taste Formula

Pungent. No information available. No information available

Molecular/Formula weight (g/mole): Flammability (solid, gas)

No information available

Flashpoint (°C/°F):

No information available

Flash Point Tested according to: Autoignition Temperature (°C/°F): Lower Explosion Limit (%):

Not available No information available No information available

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**Upper Explosion Limit (%):** Melting point/range(°C/°F): **Decomposition temperature(°C/°F):** 

Vapor pressure @ 20°C (kPa):

No information available No information available No information available

Density (g/cm3): Boiling point/range(°C/°F): **Bulk density:** 

No information available No information available No information available

Specific gravity: pН

No information available No information available 1.11

**Evaporation rate:** Vapor density:

VOC content (g/L): No information available No information available No information available

Odor threshold (ppm): **Partition coefficient Viscosity:** 

No information available (n-octanol/water): No information available No information available

Miscibility: Solubility:

No information available Freely soluble in water

# 10. STABILITY AND REACTIVITY

## Reactivity

Incompatible with combustible materials, organic materials, metallic powders, bases, ammonia, reducing agents, carbides, aldehydes, cyanides, chromic acid, hydrogen sulfide, sulfides, metals, organic solvents, acetic acid, alkalies, alcohols, cesium and rubidium acetylides, nitrobenzene, turpentine, arsine, phosphine, tetraborane, 4-Methylcyclohexane

**Chemical stability** 

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Incompatible materials. Ignition sources.

**Incompatible Materials:** Bases

> Reducing agents Combustible materials Organic materials

Metals Acids

Hazardous decomposition

products:

Nitrogen oxides (NOx).

Other Information

Corrosivity: Severe corrosive effect on Brass Severe corrosive effect on Copper

No corrosive effect on 304 Stainless Steel

No corrosive effect on 316 Stainless Steel

No corrosive effect on Bronze

Extremely corrosive in presence of aluminum

Special Remarks on Corrosivity: No corrosivity data for zinc. and steel

## 11. TOXICOLOGICAL INFORMATION

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### Information on likely routes of exposure

### **Principal Routes of Exposure:**

Skin. Inhalation. Ingestion.

## **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

2500 ppm Inhalation LC50 Rat 1 h

130 mg/m<sup>3</sup> 4 h

7 mg/l 1 h

**LC50/inhalation/mouse** = No information available

Other LD50 or LC50information = 430 mg/kg Oral LDL Rat

#### **Product Information**

LD50/oral/rat =

Value - Acute Toxicity = No information available

LD50/oral/mouse =

Value - Acute Tox = No information available

LD50/dermal/rabbit

Value - Acute Toxicity = No information available

LD50/dermal/rat

**VALUE - Acute Tox =** 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

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Symptoms

**Skin Contact:** Severe skin irritation. Causes skin burns. May cause deep penetrating ulcers of

the skin with a characteristic yellow to brownish discoloration. Absorption through the skin may cause methemoglobinemia (the formation of methemoglobin in the blood which causes deficient oxygenation of the blood due to decreased available

hemoglobin).

**Eye Contact:** Severe eye irritation. Causes eye burns. May cause irreversible eye damage.

**Inhalation** Causes irritation and possible burns of the respiratory tract with burning pain in the

nose and throat, coughing, sneezing, wheezing, shortness of breath and

pulmonary edema.

**Ingestion** Causes serious gastrointestinal tract irritation or burns with nausea, vomiting,

severe abdominal pain, and possible "coffee grounds" appearance of the vomitus.

May cause perforation of the digestive tract.

**Aspiration hazard** No information available.

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

Chronic Toxicity Repeated inhalation may produce changes in pulmonary function and/or chronic

bronchitis. It may also cause weight loss, and affect behavior/central nervous system (headache, dizziness, drowsiness, muscle contaction or spasticity, weakness, loss of coordinaton, mental confusion), and urinary system (kidney faillure, decreased urinary output after several hours of uncorrected circulatory collapse). Repeated exposure may cause discoloration and/or erosion of teeth (dental enamel). Eye irritation and respiratory tract signs and symptoms resembling those of frequent upper respiratory viral infections have been associated with

chronic nitric acid exposure.

**Sensitization:** No information available.

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic.

Component	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

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 No data is available

Reproductive Effects: No information available

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

Teratogenic Effects: No information available

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# Specific Target Organ Toxicity

STOT - single exposure STOT - repeated exposure No information available. No information available.

**Target Organs:** 

Skin. Eyes. Respiratory system.

### 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

**Ecotoxicity effects:** Aquatic environment.

Nitric acid - 7697-37-2

Fish 72 mg/L LC50 Gambusia affinis 96h

Persistence and degradability: No information available

**Bioaccumulative potential:** No information available.

Mobility in soilNo information availableOther adverse effectsNo 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

Component	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

# 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 157

Number

Marine PollutantNo data availableDOT RQ (lbs):No information availableSpecial ProvisionsB2, B47, B53, IB2, T8, TP2Symbol(s):No information available

**Description:** UN2031, Nitric acid solution, 8, II

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TDG (Canada)

UN-No: Not Regulated

Proper Shipping Name:
Hazard Class
Subsidiary Risk:
Packing Group:
Marine Pollutant

No information available
No information available
No information available
No Information available

**Description:** Forbidden

**ADR** 

UN Number UN2031

Proper Shipping Name: Nitric acid solution

Transport hazard class(es) 8
Packing group | |

Subsidiary Risk: No information available

**Description:** UN2031, Nitric acid solution, 8, II

**IMDG** 

**UN-No:** UN2031

Proper Shipping Name: Nitric acid solution

Hazard Class: 8

Subsidiary Risk: No information available

Packing Group:

Marine Pollutant No information available

EMS: F-A

**Description** UN2031, Nitric acid solution, 8, II

RID

UN Number UN2031

Proper Shipping Name: Nitric acid solution

Transport hazard class(es) 8

Subsidiary Risk: No information available

Packing group ||

**Description:** UN2031, Nitric acid solution, 8, II

ICAO (air)

**UN-No:** UN2031

Proper Shipping Name: Nitric acid solution

Hazard Class 8

Subsidiary Risk: No information available

Packing Group:

**Description:** UN2031, Nitric acid solution, 8, II

**IATA** 

UN Number UN2031

Proper Shipping Name: Nitric acid solution

Transport hazard class(es)

Subsidiary Risk: No information available

Packing group | | Precautionary Statements - 8L

Response

Special Provisions No information available

**Description:** UN2031, Nitric acid solution, 8, II

## 15. REGULATORY INFORMATION

International Inventories

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Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia (AICS)	EINECS-No.
Water	7732-18-5	PresentACTIV	Present	Present	Not present	Present	Present	Present
		E	KE-35400		-			231-791-2
Nitric acid	7697-37-2	Present	Present	Present	Present	Present	Present	Present
		(ACTIVE)	KE-25911		(1)-394			231-714-2

# **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

Louisana 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

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

### Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

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

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Component	CAS No	Carcinogen		Male Reproductive Toxicity	Female Reproductive Toxicity:
Water	7732-18-5	Not Listed		Not Listed	Not Listed
Nitric acid	7697-37-2	Not Listed	Not Listed	Not Listed	Not Listed

#### **CERCLA/SARA**

Component	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 EPCRA RQ	None		1.0 % de minimis concentration

#### U.S. TSCA

Component	CAS No	TSCA Section 5(a)2 - Chemicals	TSCA 8(d) -Health and Safety
			Reporting
		(SNURS)	

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Water	7732-18-5	Not Applicable	Not Applicable
Nitric acid	7697-37-2	Not Applicable	Not Applicable

#### Canada

#### WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component Water 7732-18-5 (82) Nitric acid 7697-37-2 (18) 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); Acute toxicity - Inhalation - Category 1: H330 Fatal if inhaled.; Acute toxicity - Inhalation - Category 3: H331 Toxic if inhaled. (6.3%); 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.

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

#### **DSL/NDSL**

Component	CAS No	Canada (DSL)	Canada (NDSL)
Water	7732-18-5	Present	Not Listed
Nitric acid	7697-37-2	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
Water	7732-18-5	Not listed
Nitric acid	7697-37-2	Not listed
Component	CAS No	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Water	7732-18-5	Not listed
Nitric acid	7697-37-2	Not listed

#### **EU Classification**

### EU GHS - SV - CLP 1272/2008

Product code: N-170

Component	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.; Skin corrosion/irritation - Skin Corr. 1A: H314 Causes severe skin burns and eye damage.; Supplemental Hazards - EUH071 Corrosive to the 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

Product name: NITRIC ACID, 20 PERCENT (W/V) AQUEOUS SOLUTION

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

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)

S 1/2 - Keep locked up and out of the reach of children.

Component	CAS No	Classification	Concentration Limits:	Safety Phrases
Water	7732-18-5		No information	
Nitric acid	7697-37-2	C; R35 O; R8	20%<=C C;R35 5%<=C<20% C;R34 70%<=C O;R8	S1/2 S23 S26 S36 S45

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

### Indication of danger:

C - Corrosive

c



# **16. OTHER INFORMATION**

Preparation Date:10/14/2015Revision date11/19/2019Prepared 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 purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be

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the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet** 

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