

**SAFETY DATA SHEET**  
**Nitric Acid, 50 - 70%**



**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**1.1 Product identifier**

**Product Name:** Nitric Acid, 50 - 70%

**Product Codes(s):** Nitric acid, 50 - 70%

**Synonyms:** Aqua fortis, Hydrogen nitrate, Nitryl hydroxide, Azotic acid, Nitral, Engraver's acid

**REACH Registration Number:** This material has been registered according to Regulation (EC) 1907/2006.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**General Use:** FOR INDUSTRIAL/MANUFACTURING USE ONLY. Intermediate, pH-regulating agents, cleaning products.

**Uses advised against:** Prevent misuse as precursor for explosives

**1.3 Details of the supplier and of the safety data sheet**

**Manufacturer/Distributor**

Chemical Interchange Company

2932 S. Brentwood Blvd.

St. Louis, Missouri 63144

+1-314-962-9002

**1.4 Emergency telephone number: Chemtrec - (800)424-9300, Account #CCN4519 (24 hours)**

**SECTION 2 - HAZARDS IDENTIFICATION**

**2.1 Classification of substance or mixture**

**Classification (REGULATION (EC) No 1272/2008)**

Oxidizing Liquid 3

Skin Corrosive 1A

**CORROSIVE!** Liquid and mist cause severe burns to all body tissue. May be fatal if swallowed or inhaled. Inhalation may cause lung and tooth damage. **STRONG OXIDIZER!** Contact with other materials may cause fire.

**2.2 Label Elements**

**Labeling (REGULATION (EC) No 1272/2008)**

**Hazard Symbols**



**Signal Word:**

DANGER

**Hazard Statement(s):**

H272 - May intensify fire; oxidizer

H314 - Causes severe skin burns and eye damage

**Precautionary Statements:**

**[Prevention]**

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P220 - Keep/Store away from clothing/incompatible materials/combustible materials.

P221 - Take precaution to avoid mixing with combustibles and incompatible materials.

P260 - Do not breathe dusts or mists.

P264 - Wash hands and other skin areas exposed to material thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**[Response]**

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 - Wash contaminated clothing before reuse.

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310 - Immediately call a POISON CENTER or doctor/physician.

P321 - Specific treatment: Refer to product label and section 4. Seek IMMEDIATE medical advice.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**[Storage]**

P405 - Store locked up.

**[Disposal]**

P501 - Dispose of contents in accordance with national/local regulations.

**Labeling (67/548/EEC to 1999/45/EC)**



C - Corrosive

**Risk Phrases:**

R35 - Causes severe burns

- Safety Phrases:** S1/2 - Keep locked up and out of the reach of children.  
 S23 - Do not breathe vapor. Avoid contact with skin and eyes.  
 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 whenever possible).

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

% by Weight	Ingredient	CAS Number	EC Number	Index Number	EC Classification
50 - 70	Nitric acid	7697-37-2	231-714-2	007-004-00-1	C, R35

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

## SECTION 4 - FIRST AID MEASURES

### 4.1 Description of first aid measures

**Inhalation:** Get medical attention immediately. Call a poison center or physician. If suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If product vapors or mists cause respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If unconscious, maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Eyes:** Immediately get medical attention. Immediately flush eyes with large amounts of water for 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses after the first 5 minutes and continue washing.

**Skin:** Flush skin with large amounts of water while removing contaminated clothing, and continue rinsing for at least 15 minutes. Wash contaminated clothing and shoes thoroughly before reuse. Seek immediate medical attention for chemical burns.

**Ingestion:** Get immediate medical attention. Call a poison center or physician. Rinse mouth with water. Remove dentures if any. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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

#### Potential health symptoms and effects

**Eyes:** Causes serious eye damage. Material is extremely destructive to the tissue and mucous membranes of the eyes. Causes redness, pain, burning sensation and tearing. Direct contact with liquid may cause blindness or permanent eye damage.

**Skin:** Causes severe skin burns. Causes irritation, pain, redness and blisters. May cause deep, penetrating ulcers of the skin. Concentrated nitric acid turns human skin yellow on contact.

**Inhalation:** Effects may be delayed. Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Aspiration may lead to pulmonary edema. May cause systemic effects. May cause acute pulmonary edema, asphyxia, chemical pneumonitis and upper airway obstruction caused by edema. Depending on the conditions, the vapor or fumes of nitric acid may actually be a mixture of nitric acid and various oxides of nitrogen. The composition may vary with temperature, humidity and contact with other organic materials.

**Ingestion:** May cause severe and permanent damage to the digestive tract. Causes severe burns to the gastrointestinal tract. May cause perforation of the digestive tract. May cause systemic effects. Causes severe mouth, throat and abdominal pain upon ingestion.

**Chronic:** Exposure to high concentrations of nitric acid vapor may cause pneumonitis and pulmonary edema which may be fatal. Continued exposure to vapor and mist of nitric acid may result in chronic bronchitis, and more severe exposure results in a chemical pneumonitis. The vapor and mists of nitric acid may erode the teeth, particularly affecting the canines and incisors.

## SECTION 5 - FIRE FIGHTING MEASURES

### 5.1 Extinguishable media

**Suitable methods of extinction:** Non-combustible. Use media extinguishing media suitable for surrounding material.

**Unsuitable methods of extinction:** None known

### 5.2 Special hazards arising from the substance or mixture

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Hazardous decomposition products include nitrogen oxides, ammonia and amines. Symptoms may not be immediately apparent. Obtain medical attention.

### 5.3 Advice for firefighters

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Water contaminated by this material must be contained from being discharged to any waterway, sewer or drain to prevent environmental contamination.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing designated in Section 8. Remove all sources of ignition. Ventilate the area.

### 6.2 Environmental precautions

Avoid dispersal of spilled material or run-off and prevent contact with soil and entry into drains, sewers or waterways.

### 6.3 Methods and materials for containment and cleaning up

Cover drains. Approach the release from upwind. Contain spill. Cover with a large quantity of non-combustible, inert absorbent (e.g. sand, dry earth, vermiculite, diatomaceous earth) and place into approved container for proper disposal. Spilled material may be neutralized with sodium carbonate, sodium bicarbonate or dilute sodium hydroxide. Observe possible material restrictions (Sections 7.2 and 10.5). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

### 6.4 Reference to other sections

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7 - HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Wear all appropriate personal protective equipment specified in Section 8. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If normal use of material presents a respiratory hazard, use only adequate ventilation or wear an appropriate respirator.

Keep in original container or in an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container. Spillage should be cleaned up promptly to avoid damage to surrounding materials.

#### Advice on protection against fire and explosion

Keep away from heat and incompatible materials.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry cool and well ventilated area, away from incompatible materials (see Section 10.5) and food and drink. Store in corrosive resistant container with a resistant inner liner. Transfer only to approved containers having correct labeling. Separate from alkalis. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination. Ventilation is required along the floor. Do not take internally. Keep locked up and out of reach of children.

#### Packaging Materials

**Suitable:** Only store in packaging intended/ designed for this substance. Recommended material(s): stainless steel, glass.

**Unsuitable:** Monel steel, steel, aluminum, copper, nickel.

### 7.3 Specific end uses

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### OCCUPATIONAL EXPOSURE LIMITS

CAS Number	Ingredient	OSHA	ACGIH	NIOSH
7697-37-2	Nitric acid	2 ppm, 5 mg/m <sup>3</sup> TWA	2 ppm, 5.2 mg/m <sup>3</sup> TWA 4 ppm, 10 mg/m <sup>3</sup> STEL	2 ppm, 5 mg/m <sup>3</sup> TWA; 25 ppm IDLH 4 ppm, 10 mg/m <sup>3</sup> STEL

### 8.2 Exposure controls

**Engineering Measures:** Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Use adequate ventilation. Local exhaust is preferable. Refer to Section 7.1 for additional data.

**Individual protection measures:** Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.

**Hygiene measures:** Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory.

**Eye/face protection:** Wear tightly fitting safety goggles. Face shield (8-inch minimum). Refer to 29 CFR 1910.133, ANSI Z87.1 or European Standard EN 166.

**Hand Protection:** Wear gloves recommended by glove supplier for protection against materials in Section 3. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

Gloves made of the following materials are suitable: butyl rubber, Viton, Neoprene, polyethylene, PVC.

Gloves made of the following materials are not suitable: natural rubber (latex), nitrile rubber, polyvinyl alcohol (PVA), leather, and textiles.

**Other protective equipment:** Protective clothing. Protective boots, if the situation requires.

**Respiratory Protection:** Always use an approved respirator when vapor/aerosols are generated. Where risk assessment shows air-purifying respirators are appropriate use a full-faced respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Environmental exposure controls:** Do not empty into drains.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Clear, colorless to pale yellow or brown liquid
Odor	Acrid, pungent
Odor Threshold	0.75 - 2.5 ppm

<b>Molecular Weight</b>	63.01 (nitric acid)
<b>Chemical Formula</b>	HNO <sub>3</sub> (nitric acid)
<b>pH</b>	<1
<b>Freezing Point, Range</b>	-20 to -31.7° C (-4 to -25° F)
<b>Boiling Point, Range</b>	117 - 120° C (243 - 248° F)
<b>Evaporation Rate</b>	~1 (BuAc = 1)
<b>Flammability (solid, gas)</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Autoignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	110 <sup>o</sup> C (230 <sup>o</sup> F)
<b>Lower Explosive Limit (LEL)</b>	Not applicable
<b>Upper Explosive Limit (UEL)</b>	Not applicable
<b>Vapor Pressure</b>	9 - 10 mm Hg @ 25° C (70° F)
<b>Vapor Density</b>	>1 (Air = 1)
<b>Relative Density</b>	1.3551 - 1.4078 g/ml (11.31 - 11.75 lb/gal)
<b>Viscosity</b>	2.0 - 2.2 cps
<b>Solubility in Water</b>	Complete
<b>Partition Coefficient: n-octanol/water</b>	Log Pow = -2.3
<b>Volatiles by Volume @ 70° F</b>	100%

## 9.2 Other data

No data available

## SECTION 10 - STABILITY AND REACTIVITY

### 10.1 Reactivity

Nitric acid is a strong oxidizer. It attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. Reactive or incompatible with alkalis and metals.

Violent reactions possible with combustible materials, organic solvents, oxidizable substances, alcohols, ketones, aldehydes, acid anhydrides, amines, anilines, nitriles, organic nitro compounds, hydrazine, acetylidenes, metal alloys, metal oxides, alkali metals alkaline earth metals, ammonia, acids, hydrides, halogens, nonmetallic oxides, nitrides, hydrogen peroxide, charcoal, turpene and many other substances.

Attacks some synthetic materials and rubber.

Hazardous polymerization will not occur.

### 10.2 Chemical stability

Stable under recommended storage conditions. Decomposes in the presence of air, light or organic matter. Yellow/brown color is due to the release of nitrogen dioxide on exposure to light

### 10.3 Possibility of hazardous reactions

Reacts with strong oxidizing agents, strong bases. Avoid excessive heat and sources of ignition. The substance decomposes on burning and may produce irritating fumes.

### 10.4 Conditions to avoid

Extreme temperatures. Contact with incompatible materials. Light. Moisture.

### 10.5 Incompatible materials

Reacts or is incompatible with over 150 chemical combinations. Refer to NFPA Fire Protection Guide for specifics.

Metals, metal powders, reducing agents, strong bases, acetic acid, alcohols, acetone, aniline, hydrogen sulfide, carbides, anhydrides, organic solvents, combustible materials, chromic acid, flammable liquids, cyanides, sulfides. Incompatible with many other substances.

DO NOT add water to the acid. ALWAYS add the acid to water while stirring to prevent release of heat, steam and fumes.

### 10.6 Hazardous decomposition products

Thermal decomposition products include oxides of nitrogen.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Oral Toxicity

LD 50, >= 90 ml/kg (rat)

#### Acute inhalation toxicity

LC 50, 30 min - 260 mg/m<sup>3</sup> (rat); LD 50, 4 h - 1302 mg/m<sup>3</sup> (rat); LD50, 4h - 67 ppm NO<sub>2</sub> (rat)

#### Acute dermal toxicity

No data available

#### Skin irritation/corrosion

Skin Corrosive 1A - damage to skin in <= 3 minutes

#### Eye irritation/corrosion

Corrosive to eyes

#### Sensitization

No data available

#### Genotoxicity in vitro

No data available

**Mutagenicity**

No data available

**Specific organ toxicity - single exposure**

Causes severe damage to eyes, skin and respiratory system.

**Specific organ toxicity - repeated exposure**

Causes severe damage to eyes, skin and respiratory system.

**Aspiration hazard**

May be fatal if swallowed and enters respiratory system.

**11.2 Further information**

Further data: Handle in accordance with good industrial hygiene and safety practice.

**Chronic Effects of Nitric Acid:** The components of this material are not listed as carcinogens by ACGIH, IARC, NTP or OSHA. No data is available regarding the mutagenicity and/or teratogenicity of this material, nor is there any available data that indicates it causes adverse developmental and/or fertility effects.

RTECS #: QU5775000 (nitric acid)

**SECTION 12 - ECOLOGICAL INFORMATION**

**12.1 Toxicity**

**Aquatic Ecotoxicity:** No data is available on the acute and chronic aquatic ecotoxicity of this product.

**12.2 Persistence and degradability**

**Biodegradability**

Inorganic substance: not biodegradable. Methods for the determination of biodegradability are not applicable to inorganic substances.

**12.3 Bioaccumulation potential**

**Partition coefficient: n-octanol in water:** log Pow = -2.3. Bioaccumulation potential is low.

**12.4 Mobility in soil**

During transport through the soil, nitric acid will dissolve some of the soil material, in particular, the carbonate based materials. The acid will be neutralized to some degree with the absorption of the proton also occurring on clay materials. However, significant amounts of acid are expected to remain for transport down toward the ground water table. Upon reaching the ground water table, the acid will continue to move, now in the direction of ground water flow.

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available.

**12.6 Other adverse effects**

**Additional ecological information**

Harmful to the aquatic environment. Causes eutrophication. May cause adverse effects in the aquatic environment due to changes in pH. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Product**

**Methods of disposal:** The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**Hazardous waste:** The classification of this product may meet the criteria for a hazardous waste.



**Note:** Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

**US DOT (Domestic Ground Transportation)**

**Proper Shipping Name:** Nitric Acid (*other than red fuming, with at least 65%, but not more than 70% nitric acid*)  
**Hazard Class:** 8, (5.1)  
**UN/NA:** UN2031  
**Packing Group:** II  
**NAERG:** Guide #157  
**Packaging Authorization:** Non-Bulk: 49 CFR 173.158; Bulk: 173.242  
**Packaging Exceptions:** NONE

**IMO/IMDG (Water Transportation)**

**Proper Shipping Name:** Nitric Acid (*other than red fuming, with at least 65%, but not more than 70% nitric acid*)  
**Hazard Class:** 8, (5.1)  
**UN/NA:** UN2031  
**Packing Group:** II  
**Marine Pollutant:** No  
**EMS Number:** F-A, S-B



**ICAO/IATA (Air Transportation)**

**Proper Shipping Name:** Nitric Acid (other than red fuming, with at least 65%, but not more than 70% nitric acid)  
**Hazard Class:** 8, (5.1)  
**UN/NA:** UN2031  
**Packing Group:** II  
**Quantity Limitations:** 49 CFR 175.75 - Cargo Aircraft Only: 30 L; Passenger Aircraft: Forbidden

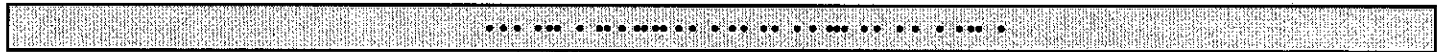
**RID/ADR (Rail Transportation)**

**Proper Shipping Name:** Nitric Acid (other than red fuming, with at least 65%, but not more than 70% nitric acid)  
**Hazard Class:** 8  
**UN/NA:** UN2031  
**Packing Group:** II

**Marine Pollutant:** No

**Signal Word:** DANGER

**Hazard Symbols:** GHS03, GHS05 (GHS); C (EEC)



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

**U. S. Federal Regulations**

**OSHA Hazard Communication Standard:** This material contains "Hazardous Chemicals" as defined by the OSHA Hazard Communication Standard (28 CFR 1910.1200). CORROSIVE

**OSHA Process Safety Management Standard:** Nitric Acid, 50 - 70% is not regulated under OSHA PSM Standard 29 CFR 1910.119.

**EPA Risk Management Planning Standard:** Nitric Acid, 50 - 70% is not regulated under EPA RMP Standard (RMP) 40 CFR Part 68.

**EPA Federal Insecticide, Fungicide and Rodenticide Act:** This product is not a registered Pesticide under the FIFRA, 40 CFR Part 150.

**TSCA Status:** All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory. This product is subject to TSCA 12(b) Export Notification.

**Superfund Amendments and Reauthorization Act (SARA)**

**SARA Section 311/312 Hazard Categories:** Fire Hazard, Reactivity Hazard, Acute Health Hazard

**SARA 313 Information:** This product contains Nitric Acid (CAS #7697-37-2), which is subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-to Know Act of 1986.

**SARA 302/304/311/312 Extremely Hazardous Substance:** This product contains Nitric Acid (CAS #7697-37-2), which is subject to reporting requirements of these sections of Title III of SARA.

**SARA 302/304 Emergency Planning & Notification:** This product contains Nitric Acid (CAS #7697-37-2), which is subject to reporting requirements of these sections of Title III of SARA.

**Comprehensive Response Compensation and Liability Act (CERCLA):** This product contains the following CERCLA reportable substances: Nitric Acid, 50 - 70% (CAS #7697-37-2), RQ - 453.59 kg (1,000 lbs)

**Clean Air Act (CAA)**

This product does not contain any chemicals that are listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).

This product does not contain any Class 1 Ozone depletors.

This product does not contain any Class 2 Ozone depletors.

**Clean Water Act (CWA)**

Nitric Acid (CAS #7697-37-2) is listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**U.S. State Regulations**

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

This product contains no chemical(s) known to the state of California to cause cancer or other reproductive harm.

**Other U.S. State Inventories:**

Nitric Acid (CAS #7697-37-2) is listed on the following State Hazardous Substance Inventories or Right-to-Know lists:

CA, DE, ID, IL, ME, MA, MN, NC, NJ, NY, PA, WA, WI.

**Canada**

**WHMIS Hazard Symbol and Classification:**



C - Corrosive to skin



D-2B - Eye irritation/skin sensitizer - toxic - other

**Canadian Controlled Products Regulations (CPR):** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations, and the MSDS contains all the information required by the Controlled Products Regulations.

**Canadian Ingredient Disclosure List (IDL):** Nitric acid (CAS #7697-37-2) is listed on the IDL.

**Canadian National Pollutant Release Inventory (NPRI):** Nitric Acid (CAS #7697-37-2) is listed on the NPRI.

**European Economic Community**

**WGK, Germany (Water danger/protection):** 1

**Chemical inventory Lists**

Country	Inventory Name	Inventory Listing*
Canada:	Domestic Substance List (DSL).	Yes
Canada:	Non-Domestic Substance List (NDSL).	No
Europe:	Inventory of New and Existing Chemicals (EINECS)	Yes
United States:	Toxic Substance Control Act (TSCA)	Yes
Australia:	Australian Inventory of Chemical Substances (AICS)	Yes
New Zealand:	New Zealand Inventory of Chemicals (NZIoC)	Yes
China:	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan:	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea:	Existing Chemicals List (ECL)	Yes
Philippines:	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Yes

\*\*Yes" indicates that all components of this product are in compliance with the inventory requirements administered by the governing country.  
 \*\*No" indicates that one or more components of this product are not on the inventory and are not exempt from listing.

**SECTION 16 - OTHER INFORMATION**

**Hazardous Material Information System (HMIS)**

Health	3
Flammability	0
Physical Hazard	1
Personal Protection	H

**HMIS Hazard Rating Legend**

\* = Chronic Health Hazard    2 = MODERATE  
 0 = INSIGNIFICANT            3 = HIGH  
 1 = SLIGHT                      4 = EXTREME

**National Fire Protection Association (NFPA)**

**Flammability**



**Special**

**NFPA HAZARD RATING Legend**

0 = INSIGNIFICANT    3 = HIGH  
 1 = SLIGHT            4 = EXTREME  
 2 = MODERATE        OX = OXIDIZER



Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Chemical Interchange Co. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Chemical Interchange Co. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. Representations or warranties, either express or implied or merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which information refers.

Revision Date: 23 April 2012