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Infosafe No™ 1CHGO

Issue Date :November 2017 RE-ISSUED by CHEMSUPP

Product Name NITRIC ACID 68-70%

Classified as hazardous

1. Identification	
GHS Product Identifier	NITRIC ACID 68-70%
Company Name	CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)
Address	38 - 50 Bedford Street GILLMAN SA 5013 Australia
Telephone/Fax Number	Tel: (08) 8440-2000
Emergency phone number	CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)
E-mail Address	www.chemsupply.com.au
Recommended use of the chemical and restrictions on use	Manufacture of ammonium nitrate (used for fertilizers, explosives and other chemical uses), manufacture of cyclohexanone, dinitrotoluene, and nitrobenzene; used as a nitrating agent in the preparation of explosives; in the production of metal nitrates, and aliphatic and aromatic nitrates; nitrocellulose; nitrochlorobenzene; and rocket propellants (in rocket fuel production); for metal treatments; and as a chemical in metallurgy (e.g. as an etching and pickling agent for stainless steels); used in the printing industry for photo-engraving; for ore flotation; reprocessing spent nuclear fuel; and laboratory reagent.
Other Names	Name Product Code
	NITRIC ACID 70% ARNA001NITRIC ACID 68% LRNL001NITRIC ACID 68% w/wNT001Azotic acid, Engraver's acid, HydrogenNT01nitrate, Aqua fortis
Other Information	ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture Signal Word (s)	Oxidizing Liquids: Category 3 Skin Corrosion/Irritation: Category 1A Corrosive to Metals: Category 1 DANGER
Signal Word (S)	Drivelik
Hazard Statement (s)	H272 May intensify fire; oxidiser. H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
Pictogram (s)	Corrosion, Flame over circle





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Product Name	NITRIC ACID	68-70%				
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Precautionary statement – Prevention	P220 Keep/Sto P221 Take any P234 Keep onl P264 Wash tho P280 Wear pro protection.	re away from cl precaution to y in original c roughly after h	othing//c avoid mixing container. andling. protective c	ombustible with comb lothing/ey	ustibles. e protection/fac	-
Precautionary statement – Response	P303+P361+P35 contaminated P304+P340 IF position comfo P310 Immediate P305+P351+P33 Remove contace P370+P378 In quantities of	3 IF ON SKIN (c clothing. Rinse INHALED: Remove ortable for bre ely call a POIS 3 IF IN EYES: F t lenses, if pr	or hair): Rem e skin with w e victim to f eathing. SON CENTER or Rinse cautiou resent and ea Use CO2, dry Inction.	ove/Take or ater/shower resh air an doctor/ph sly with wa sy to do. o chemical, o	nd keep at rest	in a L minutes. g.
Precautionary statement – Storage Precautionary statement – Disposal		corrosive resi			resistant inner cal, state and f	

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Nitric acid	7697-37-2	68-70 %
	Water	7732-18-5	30-32 %

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Consult a physician.
Ingestion	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek immediate medical advice.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor. Seek medical attention if irritation develops or persists.
Eye contact	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical assistance.
First Aid Facilities	Maintain eyewash fountain and drench facilities in work area.
Advice to Doctor	Treat symptomatically as for strong acids.
Protection for First Aiders	WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment, use the 'buddy' system).
Other Information	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Hazards from	Corrosive, irritating and highly toxic gases of nitrogen oxides. (May react
Combustion	with many metals, particularly in powdered form, to form extremely flammable
Products	hydrogen gas.)
Specific Methods	When material is not involved in fire: Do not use water on material itself. Small fire: Use CO2, dry chemical, dry sand or flooding quantities of water. If safe to do so, move undamaged containers from the fire area.



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Product Name	NITRIC ACID 68-70	ò				
	Cl	assifie	ed as hazard	ous		
	vapours with water for only.	og – If floodin	insufficient ng quantities	water su of water	vater while knocking down upply, knock down vapours c until well after the fi	3
Specific hazards arising from the chemical	Does not burn but may Heat of reaction may with water (violently and runoff. Contact of produce irritating, p	y produc be enou y) relea with met poisonou	ce poisonous agh to ignite asing flammab cals may evol as and/or cor	and/or co combusti le, poisc ve flamma rosive ga	prrosive fumes upon heati ble materials. Will reac phous and/or corrosive ga ble hydrogen gas. Fire m ases. Runoff may pollute contaminated with water.	st ases nay
Hazchem Code	2R					
Precautions in connection with Fire	Wear SCBA and acid-re uniform is NOT effect				. Structural firefighter	's
6. Accidental relea	se measures					
Spills & Disposal	or spilled material with the safe to do so - P: Vapour-suppressing for used to knock down of CONTAINERS. Small Spill: Cover with followed by a plastic	inless w revent e bam may c divert ith DRY c sheet pols to	earing appro entry into wa be used to c vapour clou earth, sand to minimize collect mate	priate pr terways, ontrol va ds. DO NO or other spreading	o not touch damaged conta cotective clothing. Stop drains or confined areas apours - Water spray may OT GET WATER INSIDE non-combustible material or contact with rain. U place it into loosely-co	leak 5. be Jse
Personal Precautions	-	all nor	n-essential p	ersonnel.	Avoid inhalation, cont	act
Personal Protection	_	-		equipmer	nt - Refer to section 8.	
Clean-up Methods - Small Spillages	Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.					
Clean-up Methods - Large Spillages	Seek expert advice of	n handli	ng and dispo.	sal.		
7. Handling and s	orage					
Precautions for Safe Handling	skin and eyes, cloth tightly closed and lo adequate ventilation respiratory equipment the container or the contaminated clothing from incompatibles so alkalis. Do not use of metallic surfaces. Do container in a safe to water and in small	ing and ocked up . In cas . If in label. g and wa ach as r vith met o not en vay. Whe L amount	other combus b. Work under se of insuffi ngested, seek Wash thoroug ash promptly. reducing agen cal spatula o npty into dra en diluting, cs. Never use	tible mat fume ext cient ver medical hly after Discard ts, combu r other m ins, disp the acid hot wate	r/spray. Avoid contact w cerials. Keep container cractor. Use only with utilation, wear suitable advice immediately and s chandling. Immediately of contaminated shoes. Keep stible materials, metals netal items. May corrode oose of this material and should always be added s er and never add water to boiling and splashing.	show change o away s, d its slowly
Conditions for safe storage, including any incompatibilities	Corrosive materials a room. Store in tight with acid resistant a substances, alkalies may corrode metallic periodically for dama physical damage, dire container and use it	should b ly close floors a combus surface age or e ect sunl for oth since t	be stored in ed containers and good drai stible materi es. Keep cont evidence of 1 ight, heat, her purposes. hey retain p	a separat , in a co nage. Sto als, orga ainer clo eaks or c water, ar Containe roduct re	e safety storage cabinet ool, dry, well-ventilated ore away from incompatibl anic materials and metals osed when not in use. Ins corrosion. Protect from ad moisture. Do not wash ers of this material may esidues (vapours, liquid)	d area e spect out be

observe all warnings and precautions listed for the product.

Corrosivity to Metals: Nitric acid (5-70%) is corrosive (corrosion rate greater than 1.25 mm/year) to most metals at 21 °C, including carbon steel

Corrosiveness



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Product Name	NITRIC ACID	68-70%				
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	gray, ductile Monel and Has aluminium bro brass and lea to greater th 21 °C. Stainl excellent or up to the boi nickel conten for use with cast iron, hi alloys (e.g. and platinum- Aluminium all concentration	ling point. Ty t) and 7-Mo du nitric acid. H gher chromium Hastelloy C an type metals al oys (types 110 s of nitric ac	el cast iron)), copper, co ronze, brass (corrosion ra 1.27 mm/year h high chromi e to nitric a pes 304, 304L plex stainles igh-silicon c nickel alloys d Incoloy 825 so have excel 0 and 3003) c id (80-100%).	<pre>, nickel, s pper-nicke (unspecific te less the) some 400 um content cid. conces , R12S, 2R3 s steel ard ast iron (3 (e.g. G-3), tantalua lent resis an only be</pre>	nickel-base al 1, bronze (uns ed), admiralty an or equal to series stain (most 300 sen ntrations rang E10 (high chro particularly Duriron) and b 0 and 690), ni m, titanium, z tance to nitri used for very	lloys (e.g. specified), y brass, naval o 0.5 mm/year less steels at ries) exhibit ging from 0-65% omium and y recommended high-chromium ickel-base zirconium, gold ic acid. y high
Steven Dev Letter	such as acryl polystyrene a natural rubbe (SBR), polyur ethylene-prop (5-100%) does and elastomer (up to 50%)). e.g. polyviny polypropylene acid), high d and elastomer	l chloride (PV , thermoset po ensity polyeth s e.g. butyl r	iene-styrene e; and elasto eoprene, chlo nated polyeth er and low de astics, such n and other f concentration C), chlorinat lyester (Bisp ylene and ult ubber.	(ABS), nyl mers, such roprene, py ylene, eth nsity poly as Teflon, luorocarbos s up to 50 ed polyvin henol A-fur ra high mo	on, styrene-ad as nitrile Bu olyester, styn ylene-propyler ethylene. Nitr and other flu ns (e.g. Kalre %) does not at yl chloride (0 marate and Iso lecular weight	crylonitrile, una N (NBR), rene butadiene ne, ric acid uorocarbons; ez and Chemraz ttack plastics, CPVC), ophthalic c polyethylene
Storage Regulations						g of corrosive ge and handling
Recommended Materials	A metallic or package.	coated fibreb	oard drum usi	ng a stron	g polyethylene	e inner

8. Exposure controls/personal protection

Occupational exposure limit values	Name	5	STEL	Т	WA		
· · · · · · · · · · · · · · · · · · ·		mg/m3	ppm	mg/m3	ppm	Footnote	
	Nitric acid	10	4	5.2	2		
Other Exposure Information	A time weighted average (TWA) has been established for Nitric acid (Safe Work Australia) of 5.2 mg/m ³ , (2 ppm). The corresponding STEL level is 10 mg/m ³ , (4 ppm). The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.						
Appropriate engineering controls	Provide sufficient ventila the TWA (time weighted ave concentrations values belo modification, use of local source, or other methods.	erage).In w the TWA	industria . This n	al situatio may be achi	ons main Leved by	tain the process	
Respiratory Protection	Where ventilation is not a Avoid breathing vapours or with AS 1716 - Respiratory with AS 1715 - Selection, Devices. When mists or va the following is recommend dust/mist filters. Filter levels.	r mists. 7 Protecti Use and M apours exc ded: Appro	Select and ve Device aintenand eed the ved resp.	nd use resp es and be s ce of Respi exposure st irator with	birators selected iratory candards n organi	in accordance in accordance Protective then the use of c vapour and	
Eye Protection	The use of a face shield, protection as appropriate.						
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Product Name	NITRIC ACII	0 68-70%				
		Classifie	ed as hazard	lous		
Hand Protection	Hand protect Selection, u gloves Vito Good: Suppo	and used in acco ion should comp se and maintenan n rubber gloves rted Neoprene. loride (PVC) glo	ly with AS 21 nce. Recomme . Silver Shi Unsupported	61, Occupat ndation: eld gloves Neoprene/La	Excellent: Bu Unsupported Ne atex. Fair: Si	tyl rubber eoprene. upported
Personal Protective Equipment	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.					
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.					
Body Protection	against chem Hazardous Ch	ng or protective icals should cor emicals. Viton rotective cloth:	nply with AS over Butyl a	3765 Cloth:		
Hygiene Measures		hands before smo clothing and of				
9. Physical and ch	emical propert	ies				
Form	Liquid					

Form	Liquid
Appearance	Clear, colourless to slightly yellowish liquid. Hygroscopic (absorbs moisture from the air).
Odour	Disagreeable, pungent, acrid, suffocating odour.
Melting Point	-41 °C.
Boiling Point	121 °C
Solubility in Water	Miscible (soluble) in all proportions.
Solubility in Organic Solvents	Soluble in diethyl ether. Reacts with many organic solvents (e.g. alcohols, ketones, ethers and esters).
Specific Gravity	1.41 (68%).
рН	1.0 (0.1 M solution); strong acid.
Vapour Pressure	Partial Pressure: 0.37-0.4 kPa (2.78-3 mm Hg) at 20 °C; 0.547 kPa (4.1 mm Hg) at 25 °C.
Vapour Density (Air=1)	2.2
Odour Threshold	0.29-0.98 ppm (cited as 0.75 to 2.5 mg/m ³) (detection). Warning Properties: NOT RELIABLE - Odour threshold about the same magnitude as TWA. Irritation has been reported at 60.6 ppm (cited as 155 mg/m ³) (30 times greater than TWA).
Viscosity	1.092 mPa.s at 0 °C; 0.746 mPa.s at 25 °C; 0.617 mPa.s at 40 °C.
Volatile Component	100 %vol @ 21 °C (as water and acid)
Partition Coefficient: n-octanol/water	Log P(oct) = 0.21 (estimated)
Flammability	Not combustible, but concentrated material is a strong oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition.
Explosion Properties	Addition of water to nitration mixture diluted with an equal volume of water can cause a low order explosion. Reacts explosively with combustible organic or readily oxidizable materials such as: alcohols, turpentine, charcoal, organic refuse, reducing materials, 4-methylcyclohexane, acetonitrile, nitrobenzene, cyclopentadiene, cesium and rubidium acetylides, carbides, cyanides, sulfides, alkalies, arsine, phosphine, tetraborane and turpentine, etc. Reacts with most metals, particularly in powdered form, to release extremely flammable hydrogen gas.
Molecular Weight	63.02 (100%)

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Product Name	NITRIC ACID 68-70%
	Classified as hazardous
Oxidising Properties	Will cause a moderate increase in the burning rate of combustible materials with which it comes into contact.
Dynamic Viscosity	Not available for nitric acid concentrations of 70% and less.
Saturated Vapour Concentration	3700-3900 ppm (0.37-0.39%) at 20 °C; 5400 ppm (0.54%) at 25 °C (calculated).
Other Information	The yellow colour is due to the release of nitrogen dioxide on exposure to light.
10. Stability and 1	reactivity
Chemical Stability	Stable under normal conditions of storage and handling. Slow decomposition occurs at room temperature (accelerated by exposure to light, air, organic matter and increases in temperature) with formation of nitrogen oxides, which may colour the acid yellow or red. Containers may burst when heated.
Conditions to Avoid	Heat and high temperatures, light, air, confined spaces, combustibles, organic compounds, and incompatible materials.
Incompatible Materials	Most metals particularly powdered metals (e.g. antimony, bismuth, germanium, manganese or titanium), metal alloys, alkali metals (e.g. lithium or sodium) or alkaline earth metals (e.g. magnesium or calcium), strong bases, metallic oxides, nonmetallic oxides, organic chemicals (e.g., water or steam, alcohols, acids, anhydrides, aldehydes, ketones, amines, ethers, turpentine, hydrocarbons, alkanethiols, nitriles, nitrides, organic nitro compounds, acetylidenes, nitroalkanes and nitroaromatics), combustible materials, flammable liquids, oxidizable substances, hydrogen peroxide, chromic acid, non-metals (e.g. arsenic, boron, finely divided carbon, phosphorus or silicon), non-metal hydrides (e.g. arsine, phosphine, stibine or tetraborane) or reducing agents (e.g. potassium phosphinate), crotonaldehyde, hydrazine and derivatives, dimethylhydrazine, divinyl ether, pyrocatechol, ammonia, aniline, diborane, furfuryl alcohol or terpenes, sulfides (e.g. hydrogen sulfide, sodium or potassium sulfide), carbides (e.g. cesium carbide), halogens, fluorine, halogen compounds, phosphorus halides (e.g. phosphorus trichloride) or other phosphorus compounds (e.g. cadmium phosphide), metal cyanides (e.g. sodium cyanide, potassium cyanide or calcium cyanide), nonmetallic halides, sulfur halides (e.g. sulfur dichloride or disulfur dibromide), and lithium silicide.
Hazardous Decomposition Products	Toxic nitrogen oxides fumes and hydrogen nitrate. Will react with water or steam to produce heat and toxic and corrosive fumes.
Possibility of hazardous reactions	Highly reactive - may react violently or explosively and/or ignite spontaneously with many organic and inorganic chemicals, combustible and easily oxidizable materials. May react violently or explosively with most metals particularly powdered metals (e.g. antimony, bismuth, germanium, manganese or titanium), alkali metals (e.g. lithium or sodium) or alkaline earth metals (e.g. magnesium or calcium) and/or cause fire, with generation of extremely flammable hydrogen gas. Extremely reactive or incompatible with alkalis. May react violently or explosively with organic chemicals (e.g., alcohols, acids, anhydrides, aldehydes, ketones, amines, ethers, hydrocarbons, alkanethiols, nitriles, nitroalkanes and nitroaromatics) and/or ignite spontaneously. May react violently or explosively with non-metals (e.g. arsenic, boron, finely divided carbon, phosphorus or silicon), non-metal hydrides (e.g. arsine, phosphine, stibine or tetraborane) or reducing agents (e.g. potassium phosphinate) and ignite. Ignites spontaneously (hypergolic) or contact with crotonaldehyde, hydrazine, dimethylhydrazine, divinyl ether, pyrocatechol, the ignition delay being 1 millisecond (ms). Mixtures with ammonia, aniline, diborane, furfuryl alcohol or terpenes are self-igniting. Reacts with sulfides (e.g. cesium carbide), fluorine, phosphorus halides (e.g. phosphorus trichloride) or other phosphorus compounds (e.g. cadmium phosphide). Mixtures with metal cyanides (e.g. sodium cyanide, potassium cyanide or calcium cyanide) produce a violent reaction, with formation of very toxic and flammable hydrogen cyanide. Interaction with sulfur halides (e.g. sulfur dichloride or disulfur dibromide) is violent, with generation of the corresponding hydrogen halide. Reacts with water or steam to produce heat and



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Product Name	NITRIC ACID	68-70%			
		Classifie	ed as hazardous		
					ed slowly to water
	with stirring Will not occu	-	ible splattering.		
Hazardous Polymerization	WIII NOU OCCU	1.			
11. Toxicological I	nformation				
Ingestion		if swallowed. (Corrosive! Swallo	wing can cause i	mmediate pain and
	burns to the lips, mouth, tongue, teeth, throat, oesophagus, and digestive system, severe abdominal pain, nausea, vomiting, bloody vomiting, diarrhoea and death if ingested. May cause perforation of the digestive tract. May cause severe and permanent damage to the digestive tract. Liquid or spray mist may produce tissue damage to mouth. The uptake of large quantities of nitrites/nitrates, in general produces methaemoglobinaemia. Because of immediate pain when taken into the mouth, strong mineral acids are not often swallowed. Ingestion is not a typical route of occupational exposure. The lowest located lethal dose in humans is 430 mg/kg.				
Inhalation	severe irrita digestive sys sneezing, whe cause harmful exposure to n asphyxia, che bronchi, uppe lung disease, and death. As oedema (chest hours after e	tion and chemic tem, and may ca ezing, choking, corrosive effe ditric acid fume mical pneumonit er airway obstru bronchopneumor piration may le pain and short	cal burns to the ause burning pain , and difficulty ects including le es and/or vapours tis, spasm, infla action caused by hia, cardiac fail ead to pulmonary tness of breath) ffect behaviour a	respiratory trac in the nose and breathing. Inhal sions of the nas may cause acute mmation, oedema oedema, or chron ure, delayed pul oedema. Symptoms can be delayed f	throat, coughing, ation of mist can al septum. Severe pulmonary oedema, of the larynx and ic obstructive monary fibrosis,
Skin	Symptoms may scaling, deep brown and per	include severe , penetrating u	irritation, itch ulcers, a change g, depending on t	ing, pain, redde in skin colour f	
Eye	blindness, de contact. Liqu irritating an	pending on the id or spray mis d may cause dan	e severe eye burn concentration of st may produce ti mage to the eyes. ring, and itching	the solutions a ssue damage to e Symptoms may in	yes. Vapours are
Carcinogenicity	on the lungs Classified by	and erosion of the Internatio	our, fumes or aer the teeth. Acid onal Agency for R t is carcinogenic	mists, strong in esearch on Cance	
Chronic Effects	irritation, w bronchitis), pulmonary oed Severe over-e (headache, di loss of coord decreased uri collapse). Re eye irritatio Repeated skin vapour can ca	with the possible and more severed lema which may be exposure can rest zziness, drows lination, mental mary output aft peated or prolo on and severe shall contact with use skin irritation	l confusion), and ter several hours onged contact wit kin irritation, s low concentration ation, redness, s acid vapours, mi	lung injury (e. s in a chemical s may or may not may also affect traction or spas urinary system of uncorrected h spray mist may kin burns and ul s of acid soluti welling and pain sts or aerosols	<pre>g. chronic pneumonitis and be delayed. behaviour ticity, weakness, (kidney failure, circulatory produce chronic cerations. ons, mists or (dermatitis).</pre>

12. Ecological information

Ecotoxicity

Toxic for aquatic organisms. Toxic effect on fish and plankton. Harmful effect due to pH shift. Forms corrosive mixtures with water even if diluted. Does not cause biological oxygen deficit. Hazard for drinking water supplies. The following applies to nitrates in general: may contribute to the



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Product Name	NITRIC ACID 68-70%				
	Classified as hazardous				
Mobility	eutrophication of water supplies. Hazard for drinking water. Distribution: log $p(o/w): -2.3$ (anhydrous substance).				
Environmental Fate	Terrestial: 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 adsorption 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 the ground water flow.				
Bioaccumulative Potential	No bioaccumulation is to be expected (log P(o/w <1).				
Environmental Protection	Do not allow to enter waters, waste water, or soil!				
Acute Toxicity - Fish	The following applies to nitrates in general: LC50 $>$ 500 mg/l.				
13. Disposal consi	derations				
Disposal	Dispose of according to relevant local, state and federal government				
Considerations Waste Disposal	regulations. Small quantities may be diluted and carefully neutralised with soda ash or slaked lime. After dilution and neutralisation, disposal may be possible through the sewer system after consultation with your local authority. Larger quantities should be disposed of through a registered Waste Disposal Authority or agent.				
14. Transport info	ormation				
Transport Information	Dangerous goods of Class 8 (Corrosive) are incompatible in a placard load with any of the following: Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids, Class 7; and are incompatible with food and food packaging in any quantity. Dangerous Goods of Class 5.1 Oxidising Agents are incompatible in a placard load with any of the following: - Class 1, Class 2.1, Class 2.3, Class 3, Class 4, Class 5.2, Class 7, Class 8, Fire risk substances and combustible liquids.				
U.N. Number	2031				
UN proper shipping	NITRIC ACID				
name Transport hazard class(es)	8				
Sub.Risk	5.1				
Hazchem Code	2R				
Packing Group	II				
EPG Number	8D1				
IERG Number	40				
Environmental Hazards	Toxic for aquatic organisms. Toxic effect on fish and plankton. Harmful effect due to pH shift. Forms corrosive mixtures with water even if diluted. Does not cause biological oxygen deficit. Hazard for drinking water supplies.				

Poisons Schedule

16. Other Information

S6

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'. Safe Work Australia, 'National Code of Practice fot the Preparation of Safety Data Sheets for Hazardous Chemicals'.
	Data Sheets for hazardous chemicars .



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Product Name	NITRIC ACID 68-70%
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Contact Person/Point	<pre>Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand. Safe Work Australia, 'Hazardous Chemical Information System'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'. Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. ChemSupply Australia Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.</pre>
Empirical Formula & Structural Formula	Empirical Formula: H-N-O3 (100%). Structural Formula: H-O-N(O)=O (100%).
roimuia	End Of MSDS
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