Print Date: 5/04/2018

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Infosafe No™ 1CH72 Issue Date : April 2018

Product Name : SULFURIC ACID 52-98%

Classified as hazardous

Safety Data Sheet

1. Identification		
GHS Product	SULFURIC ACID 52-98%	
Identifier		
Company Name	AUSTRALIAN CHEMICAL REAGENTS (ACR) (ABN 19 008 264 211)	
Address	38 - 50 Bedford Street Gillman S.A. 5013 Australia	
Telephone/Fax Number	Tel: (08) 8440 2000 Fax: (08) 8440 2001	
Recommended use	Manufacture of phosphate and ammonium sulfate fertilizers; production of rayon and other textile fibre	s,
of the chemical and	film, inorganic pigments, nitrate explosives, alcohols, plastics, dyes, drugs, synthetic detergents, natur	
restrictions on use	and synthetic rubber, pulp and paper, cellulosics and catalysts; manufacture of hydrochloric and hydrofluoric acids, aluminium and copper sulfate and chromium chemicals; petroleum refining; pickling iron, steel and other metals; leaching agent for ores; electroplating baths; alkylation catalyst; compone of lead storage batteries and laboratory reagent.	
Other Names	Name Product Code	
	SULFURIC ACID 75% w/w 2755	
	SULFURIC ACID 85% w/v 5491	
Other Information	EMERGENCY CONTACT NUMBER: +61 08 8440 2000	
	Business hours: 8:30am to 5:00pm, Monday to Friday.	
	Australian Chemical Reagents (ACR) 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 Australian Chemical Reagents (ACR) with respect to any skill or judgement of 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 of	
	fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisio	
	of Part V, Division 2 of the Trade Practices Act apply, the liability of Australian Chemical Reagents (AC	R)
	is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goo	
	or acquiring equivalent goods.	
2. Hazard Identifi	cation	
GHS classification	Skin Corrosion/Irritation: Category 1A	
of the	Corrosive to Metals: Category 1	
substance/mixture		
Signal Word (s)	DANGER	
Hazard Statement	H290 May be corrosive to metals.	
(s)	H314 Causes severe skin burns and eye damage.	
Pictogram (s)	Corrosion	
r lotogram (o)		
	\wedge	
	E.	
Due e e et l'e e e en e		
Precautionary	P234 Keep only in original container. P260 Do not breathe fume/gas/mist/vapours/spray.	
statement –	P280 Wear protective gloves/protective clothing/eye protection/face protection.	
Prevention	P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.	
Precautionary statement –	P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rins	۵
	skin with water/shower.	5
Response	P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for	
	breathing.	
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lense	€s,
	if present and easy to do. Continue rinsing.	
	P310 Immediately call a POISON CENTER or doctor/physician.	
Precautionary	P405 Store locked up.	
statement – Storage	P406 Store in corrosive resistant container with a resistant inner liner.	



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Infoncto No TM	10470	Jonus Data : Arril 0	10	
Infosafe No™ Product Name :		Issue Date : April 20	ΝΟ	RE-ISSUED by ACR
Product Name :	SULFURIC ACID			
		Classified as haza		
Precautionary statement – Disposal	P501 Dispose of co	ontents/container to an approv	ed waste dispos	al plant.
3. Composition/i	nformation on in	ngredients		
Chemical Characterization	Liquid			
Ingredients	Name	CAS	Proportion	Hazard Symbol Risk Phrase
-	Sulfuric acid	7664-93-9	52-98 %	
	Water	7732-18-5	2-48 %	
4. First-aid meas				
Inhalation				ly. Apply artificial respiration if not medical aid if cough or other
Ingestion		ughly with water immediately, VOMITING. Seek immediate r		aces of product have been removed.
Skin	Immediately remov Ensure contaminate	e contaminated clothing and ed clothing is washed before	wash affected are	ea with water for at least 15 minutes. nediate medical advice /attention
Eye contact	advised to stop by	lids apart and flush the eye co the Poisons Information Cent	e or a doctor, or	unning water. Continue flushing until for at least 15 minutes. Take care not
First Aid Facilities		ed water into the non-affected outline and drench facilities a		
Advice to Doctor	-	ally as for strong acids.		
Protection for First			isk or without sui	table training. If it is suspected that
Aiders	fumes are still pres	ent, the rescuer should wear	an appropriate m	ask or self-contained breathing
Other Information	contaminated cloth	ing thoroughly with water befo	ore removing or v	e mouth-to-mouth resuscitation. Wash vear gloves. ralia 13 1126; New Zealand 0800 764
5. Fire-fighting n	neasures			
Hazards from				ulfur (SOx). Will react with water or
Combustion Products	dioxide gas. Reacts		o form poisonous	n carbonates to generate carbon hydrogen cyanide and hydrogen (danger of explosion))
Specific Methods	Use extinguishing r	media most appropriate for the	e surrounding fire).
Specific hazards		ot involved in fire: Do not use may produce poisonous and/c		I itself. s upon heating. Heat of reaction may
arising from the	be enough to ignite	combustible materials. Will r	eact with water (s	some violently) releasing flammable,
chemical	•			s may evolve flammable hydrogen gas. Inoff may pollute waterways. May be
				ed or contaminated with water.
Hazchem Code	2P			
Decomposition Temp.	340 °C (100%).			
Precautions in connection with Fire	e these materials.	cid-resistant chemical splash s	suit. Structural fir	efighter's uniform is NOT effective for
6. Accidental rel				
Spills & Disposal	Neutralise with lime Services.	e or sodium carbonate, adjust	the pH to 6-10.	For larger spills notify Emergency
Personal	Evacuate the area			n, contact with skin, eyes and clothing.
Precautions	• •	ctive equipment listed in Sect		
Clean-up Methods - Small Spillages	place in a labelled, drum or overdrum.	sealable container for subsec	uent safe dispos	Shovel up using non sparking tools and al. Put leaking containers in a labelled
	Absorb or contain li other alkali materia		control material,	or neutralise with sodium carbonate or



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Product Name :	SULFURIC A	CID 52-98%					
		Clas	sified as haza	ardous			
Clean-up Methods -	Seek expert ac	lvice on handling a	and disposal.				
Large Spillages Environmental Precautions	Do not dischar	ge into drains, surf	ace water or g	round wate	r. Do not dis	charge to si	ubsoil/soil.
7. Handling and s	storage						
Precautions for Safe Handling	clothing. Avoid use. Use only equipment. If in suitable protect before reuse. I a high level of before eating, diluting, always container beca Keep away from	prolonged or repe with adequate vent ngested, seek mec tive clothing. Wash nform laundry pers personal hygiene i	ated exposure illation. In case lical advice import thoroughly af connel of conta s maintained w or using the toi ater; never ado tion. uch as oxidizin	. Keep lock of insufficient mediately and ter handling minant's har when using the let facilities d water to the g agents, re	ed up. Keep ent ventilatior nd show the o J. Remove co Izards. Disca this product, f . Contact with ne acid. Do no	containers of n, wear suita container or ontaminated rd contamin that is, alwa n water will ot allow wat	closed when not in able respiratory the label. Wear clothing and wash hated shoes. Ensure hys wash hands generate heat. When er to get into the
Conditions for safe	Ideally, sulfurio	acid should be sto	ored in isolatio	n from all ot			
torage, including	corrosives safe		sible only for a	uthorized pe	ersons. Store	in tightly clo	osed containers, in a
iny ncompatabilities	contact with wa and moisture. Separate from heat. Do not w		tly with water. I compatible ma lizing agents, r and use it for o	Protect again Iterials and educing age ther purpos	inst physical water. May c ents, combus es. Containe	damage, fre orrode meta stibles, source rs of this ma	eezing, direct sunligh allic surfaces. ces of ignition and aterial may be
Corrosiveness Storage Regulations	Very corrosive and some alloy temperature ar increasing chro Many plastics of plastic that res	vs. The corrosivity nd acid impurities. omium, molybdenu do not resist conce ists all acid concer	luding cast iro of sulfuric acid The resistance m, copper and entrated acid w ntrations.	n, steel, sta solutions d of alloys to silicon con ell (greater	inless steel, k epends on fa o sulfuric acid tent. than 50-60%	brass, alum actors such a l corrosion i). Teflon is t	inium, titanium, nicko as concentration, ncreases with he only common
Storage		temperature (15 to		-	C C		
Temperatures							
B. Exposure cont		al protection					
Occupational exposure limit values	<u>Name</u>		5	TEL	I	WA	
			<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	<u>Footnote</u>
Other Exposure nformation	mg/m ³ . The co value that shou times per day. exposure value		level is 3 mg/n d for more tha t least 60 minu average airbo	n ³ . The STE n 15 minute ites betwee rne concen	L (Short Tern s and should n successive tration of a pa	n Exposure I not be repo exposures	Limit) is an exposur eated for more than at the STEL. The
Appropriate engineering controls	average).In inc	ocess modificatior	naintain the co	ncentration	s values belo	w the TWA.	
Respiratory Protection	Where ventilat mists. Select a selected in acc Devices. Whe recommended	ion is not adequate	s in accordance 715 - Selection exceed the ex tor with organic	e with AS 17 n, Use and l posure star	716 - Respira Maintenance ndards then t	tory Protect of Respirat he use of th	e following is
Eye Protection				afety glasse	es with side s	hield protec	tion as appropriate.
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Infosafe No™	1CH72	Issue Date : April 2018	RE-ISSUED by ACR
Product Name :	SULFURIC ACI	·	
		Classified as hazardous	
Hand Protection	Hand protection s maintenance. Re Fair: NR latex. (S gloves outer surfa	Australian Standards AS 1337 and be selected hould comply with AS 2161, Occupational prote commendation: Excellent: Vinyl gloves. Good 52-75%) Avoid skin contact when removing glov ace. Dispose of gloves as hazardous waste.	ective gloves - Selection, use and d: Neoprene or nitrile rubber gloves. ves from hands, do not touch the
Personal Protective Equipment Footwear Body Protection	Final choice of pe to risk assessmer Safety boots in in Occupational prot Clean clothing or	dustrial situations is advisory, foot protection sh ective footwear - Guide to selection, care and u protective clothing should be worn, preferably w	vidual circumstances and/or according ould comply with AS 2210, ise. vith an apron. Clothing for protection
Hygiene Measures	Always wash han	s should comply with AS 3765 Clothing for Prote ds before smoking, eating or using the toilet. Wa ent before storing or re-using.	
9. Physical and o		rties	
Form	Liquid		
Appearance		viscous (thick oily) liquid when pure, but yellow	ish to brownish when impure.
Odour		is a choking odour if heated.	
Decomposition Temperature	340 °C (100%).		
Melting Point		29.5 °C (60%); -38 °C (67%); -4.5 °C (79%); 3 °C	C (81%); -6.5 °C (90%); -11.5 °C (91%);
Boiling Point	-1.1 °C (98%). 126 °C (52%); 14 327.2 °C (98%).	0 °C (60%); 156 °C (67%); 197 °C (79%); 207 °	C (81%); 255 °C (90%); 262 °C (91%);
Solubility in Water	Miscible (Soluble)	in all proportions. CAUTION: Always add the a water generates significant heat. Addition of wa	
Solubility in Organic Solvents		portions in ethanol (decomposes).	
Specific Gravity	1.42 (52%); 1.5 (6	60%); 1.58 (67%); 1.72 (79%); 1.74 (81%); 1.82	(90%); 1.826 (91%); 1.8437 (98%).
рН	w/w) = 2.1.	N solution (~5% w/w) = 0.3; 0.1 N solution (~0.8	5% w/w) = 1.2; 0.01 N solution (~0.05%
Vapour Pressure		mHg) at 25 °C (100%).	
Vapour Density (Air=1) Evaporation Rate		n value is 3.4 (Air = 1 at boiling point of sulfuric $r = 1$) (75% (v/v)); 2.92 (Air = 1) (82.6%).	acid) (100% Sulfuric acid). Weighted
Odour Threshold	>1 ppm (Sulfuric a		
Viscosity	•• •	5 mPa.s) at 25 °C (100%).	
Surface Tension	50 dynes/cm at 2		
Flammability	Non combustible dehydrating agen contact. Contact	material. This material increases the risk of fire t which may cause ignition of combustible/orgar with moisture/water, or with strong alkalies may uced on prolonged contact with metals such as a	nic/finely divided/other materials on generate heat. Flammable hydrogen
Explosion Properties	Contact with most reaction with wate explosive in prese explode: p-nitroto hydrogen peroxid permanganate wit iodides, picrates, contact with conc explosive decomp	t metals causes formation of flammable and exp er. Containers may explode when heated or if co ence of oxidizing materials. Mixtures of sulfuric a luene, pentasilver trihydroxydiaminophosphate, e, ammonium tetraperoxychromate, mercuric ni th potassium chloride, carbides, nitro compound fulminates, dienes, alcohols (when heated). Nitr entrated sulfuric acid. 1,3,5-Trinitrosohexahydro	blosive hydrogen gas. Exothermic bontaminated with water. Slightly acid and any of the following can perchlorates, alcohols with strong trite, potassium chlorate, potassium ds, nitrates, carbides, phosphorous, ramide decomposes explosively on
Molecular Weight	98.08	() at 25 °C (coloulated) (100% culturis acid)	
Saturated Vapour Concentration Other Information	< 395 ppm (0.04% Taste: Strong, ma	 at 25 °C (calculated) (100% sulfuric acid). rked acid taste. 	
	-		



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Page: 5 Infosafe No™ 1CH72 Issue Date : April 2018 **RE-ISSUED by ACR** Product Name : SULFURIC ACID 52-98% Classified as hazardous Conversion Factor: 1 ppm = 4 mg/m³; 1 mg/m³ = 0.25 ppm at 25 °C (calculated). Critical Temperature: Approx. 670 °C (93%); approx. 655 °C (100%). 10. Stability and reactivity **Chemical Stability** Stable under normal temperatures pressures and conditions of storage and handling. Concentrated solutions (>90%) react violently with water, spattering and liberating heat. **Conditions to Avoid** Exposure to moist air, moisture, or water (Note: Use great caution in mixing with water due to heat evolution that causes explosive spattering. Always add the acid to water, never the reverse.), metals, excess heat, combustible materials, organic materials, oxidizers, amines, bases and incompatible materials. Incompatible Water, combustible materials, oxidizing agents, reducing agents, metals as powders, metals as non powders (vields hydrogen gas), metal allovs, metal compounds, acids, alkalis, organic materials, organic **Materials** solvents, alkali metals, alkaline earth metals, alkaline earth compounds, alkali hydroxides solutions, chlorates, perchlorates, permanganates, carbides, cyanides, nitrides, sulfides, fulminates, picrates, nitrates, nitriles, halogens, halogen-halogen compounds, salts of oxyhalogenic acids, acetylides, oxides and hydrides, anilines, organic nitro compounds, peroxi compounds, acetic anhydride, acetone cyanhydrin, acetone + nitric acid, acetone + potassium dichromate, acrolein, allyl alcohol, allyl chloride, 2-aminoethanol, ammonia, ammonium triperchromate, n-butyraldehyde, diisobutylene, epichlorohydrin, ethylene cyanohydrin, ethylene diamine, ethylene glycol, ethylenimine, isoprene, lithium silicide, pentasilver trihydroxydiaminophosphate, phosphorus, phosphorus isocyanate, beta-propiolactone, and pyridine. Irritating and highly toxic fumes and gases, including oxides of sulfur. Reaction with water or steam may Hazardous generate much heat which will increase the concentration of fumes in the air, and may produce toxic and Decomposition corrosive fumes. Contact with most metals causes formation of flammable and explosive hydrogen gas. Products Possibility of Very reactive substance. Concentrated solutions (>90%) react violently with water, spattering and hazardous reactions liberating heat. Corrosively attacks most metals liberating flammable hydrogen gas, (potential explosion). The concentrated acid oxidizes, dehydrates, or sulfonates most organic compounds. Sulfuric acid reacts vigorously, violently or explosively with many organic and inorganic chemicals including water, acrylonitrile, alkali solutions, carbides, chlorates, fulminates, nitrates, perchlorates, permanganates, picrates, powdered metals, metal acetylides or carbides, epichlorohydrin, aniline, ethylenediamine, alcohols with strong hydrogen peroxide, chlorosulfonic acid, cyclopentadiene, hydrofluoric acid, nitromethane, 4-nitrotoluene, phosphorus (III) oxide, potassium, sodium, ethylene glycol, isoprene, styrene. Acetaldehyde and allyl chloride may polymerize violently in the presence of sulfuric acid. Many plastics do not resist concentrated acid well (greater than 50-60%). Hazardous gases, such as hydrogen cyanide, hydrogen sulfide and acetylene, are evolved on contact with chemicals such as cyanides, sulfides and carbides. Reacts with carbonates to generate carbon dioxide gas. Hazardous Acetaldehyde and allyl chloride may polymerize violently in the presence of sulfuric acid. Polymerization

11. Toxicological Information

Ingestion	Corrosive. Harmful if swallowed. Ingestion can cause severe burns to the mouth, throat, oesophagus and stomach and permanent damage to the digestive tract, resulting in discomfort and severe pain, extensive tissue damage, the danger of perforation of esophagus and stomach, gastrointestinal bleeding, oedema of the glottis, necrosis and scarring, and in severe cases, collapse and death. Symptoms may include sore throat, difficulty swallowing, intense thirst, general feeling of sickness, nausea, vomiting, diarrhoea, severe swelling of the larynx and skeletal paralysis affecting the ability to breathe, circulatory collapse, with clammy skin, weak and rapid pulse, shallow respiration, scanty urine, circulatory shock and convulsions and subsequent death. Circulatory shock is often the immediate cause of death. It may also cause systemic toxicity with acidosis. Small amounts of acid which may enter the lungs during ingestion or vomiting (aspiration) can cause serious lung injury and death. After a latency period of several weeks, possibly pyloric stenosis.
Inhalation	Corrosive. Harmful if inhaled. Because its vapour pressure is negligible, it exists in the air only as a mist or spray. Inhalation of mists, aerosols or sprays can cause severe irritation or corrosive damage to the respiratory tract and mucous membranes with sore throat, burning pain in the nose and throat, coughing, wheezing, laryngitis, bronchitis, shortness of breath, laboured breathing, dental erosion, headache, nausea, and vomiting. Exposure may impair lung function and cause mucostasis (reduced mucous clearance). The degree and severity of respiratory effects are influenced by factors such as the physical state and particle size of the aerosol, deposition site, concentration and humidity. Long term lung damage may result from a severe short term exposure. Inhalation may be fatal as a result of spasm, inflammation, oedema of the larynx and bronchi, chemical pneumonitis, and delayed pulmonary



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Product Name :	SULFURIC A	ACID 52-98%	
		Classified as hazardous	
		symptoms of pulmonary oedema, including coughing	
		nours or days after the exposure and are aggravated to	
		r system (hypotension, depressed cardiac output, bra weak and rapid pulse, shallow respiration, and scanty	
		mediate cause of death.	anno may follow. Onodiatory onook
Skin		uses severe skin irritation and burns, which may resul	
		degree. Extensive acid burns can result in death. Syn	
		ue destruction, scabs, sloughs, local necrosis, and mentation that the second sec	
		purns to the skin if contact is prolonged. The severity of	
	concentration	of the solution and the duration of exposure. May be	harmful if absorbed through the skin.
		culatory collapse with clammy skin, weak and rapid p	ulse, shallow respirations, and scanty
Evo		ory shock is often the immediate cause of death. uses severe eye irritation and severe eye burns. Cont	act can cause blurred vision
Eye		ling, pain, corneal lesions, permanent corneal opacific	
	including blind	Iness. Risk of serious damage to eyes. The severity o	of injury depends on the concentration
		and the duration of exposure. Sulfuric acid mists and	aerosols are expected to be
Carcinogenicity	irritating.	exposure to strong-inorganic-acid mists containing su	Ilfuric acid is evaluated in the IAPC
Carcinogenicity		Vol. 54; 1992) as Group 1: Carcinogenic to humans.	inunc aciu is evaluated in the IAAC
Chronic Effects		repeated inhalation may affect behaviour (muscle con	traction or spasticity), urinary system
		ge), and cardiovascular system, heart (chest pain, isc	
		(nosebleeds, nasal congestion, perforation of the nas	
		monary oedema, lung damage), teeth (dental discolo s (reportedly up to 16 mg/m ³) cause dental erosion. E	
		ire, progressing to erosion after a few months exposu-	
	occurred abou	It 4 times as frequently in a high exposure group (ove	r 0.3 mg/m ³) compared to a low
		ip (below 0.07 mg/m ³). Prolonged or repeated exposu	
		s of the skin, tracheobronchitis, stomatitis, conjunctivi contact may cause dermatitis (red, itchy, dry skin), ar	
		contact may cause conjunctivitis. Effects may be dela	
	inorganic acid	mists containing sulfuric acid is carcinogenic to huma	ans.
Respiratory Irritatio		eers exposed to sulfuric acid for 5-15 minutes noticed	
		unteers noticed the exposure at 3 mg/m ³ and at 5 mg/ A deep breath usually produced coughing and respire	
		ulfuric acid can occur.	atory changes were reported.
		dy, volunteers exposed to high levels (39 mg/m ³ dry n	nist and 21 mg/m³ wet mist sulfuric
	acid) for 1/2-1	hour reported severe symptoms of irritation of the up	per airways and signs of bronchial
		hese symptoms persisted for several days in two volu	nteers. Occupational exposure to
		Immu a closed space, produced injury to the upper luid accumulation and bleeding in the lungs to one wo	orker. Most lung function tests had
		rmal after 6 weeks.	
12. Ecological ir	formation		
Ecotoxicity		on aquatic organisms. Harmful effect due to pH shift.	
		ogical oxygen deficit. Endangers drinking-water suppl	
Persistence and		e quantities. Neutralization possible in waste water tre ne determination of biodegradability are not applicable	
degradability			to morganic substances.
Environmental	Do not allow to	o enter waters, waste water, or soil!	
Protection			
Acute Toxicity - Fisl	h L. macrochirus	s LC50: 16-29 mg/l/ 96 h.	
Acute Toxicity - Daphnia	Daphnia magr	na EC50: 29 mg/l /24 h (calculated on the pure substa	ance).
13. Disposal cor	nsiderations		
Disposal	Dispose of ac	cording to relevant local, state and federal governmer	nt regulations.
Considerations	Mariatan P	- Sector and a sector data there are a sector to the the sector of the sector of the sector of the sector of the	
Waste Disposal	Neutralise ren diluted solutio	naining product with lime or soda ash, adjusting pH to	6-10. Flush to sewer as a greatly

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Product Name : SULFURIC ACID 52-98%

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14. Transport information	14.	Transport	information
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Transport	Dangerous goods of Class 8 (Corrosive) are incompatible in a placard load with any of the following:
Information	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.
U.N. Number	1830
UN proper shipping	SULFURIC ACID
name	
Transport hazard	8
class(es)	
Hazchem Code	2P
Packaging Method	3.8.8RT8
Packing Group	II
EPG Number	8A2
IERG Number	40

15. Regulatory information

Regulatory	Listed in the Australian Inventory of Chemical Substances (AICS). Not listed under WHS Regulation
Information	2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Poisons Schedule	S6

16. Other Information

'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.
Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons,
Inc., NY, 1997.
National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.
Safe Work Australia, 'National Code of Practice fot the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.
Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'. Safe Work Australia, 'Hazardous Substances Information System, 2005'.
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational
Environment [NOHSC:1003(1995) 3rd Edition]
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H2SO4 (pure substance)
End Of MSDS

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