

Infosafe No™	3CHD0	Issue Date : December 2016	RE-ISSUED by KINETIKP
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Product Name : **SCHIFF'S REAGENT**

Classified as hazardous

1. Identification

GHS Product Identifier SCHIFF'S REAGENT

Company Name Kinetik Pty Ltd (ABN 53 605 811 532)

Address Unit 10, 12 - 16 Robart Court, Narangba
Queensland 4506 Australia

Telephone/Fax Number Tel: 07 3203 0401
Fax: 07 3203 0421

Recommended use of the chemical and restrictions on use Analytical Reagent

Other Names

Name

Product Code

SCHIFF'S REAGENT

0542

Other Information EMERGENCY CONTACT NUMBER: +61 07 3203 0401
Business hours: 8:30am to 5:00pm, Monday to Friday.

Kinetik 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 Kinetik 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 Kinetik 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 Carcinogenicity: Category 1B
Eye Damage/Irritation: Category 2A
Skin Corrosion/Irritation: Category 2
Specific Target Organ Toxicity - Single Exposure Category 3 (respiratory tract irritation)

Signal Word (s) DANGER

Hazard Statement (s) H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H350 May cause cancer.

Pictogram (s) Health hazard, Exclamation mark



Precautionary statement – Prevention

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.

Precautionary statement – Response

P308+P313 IF exposed or concerned: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
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.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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Precautionary statement – Storage	P337+P313 If eye irritation persists: Get medical advice/attention. P405 Store locked up.
Precautionary statement – Disposal	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Sulphur dioxide	7446-09-5	<1 %	T, Xi	R23, R36/37
	Hydrochloric acid	7647-01-0	0-<1 %		
	Pararosaniline hydrochloride	632-99-5	0.8 %		
	Water to make total of 100%	7732-18-5	-		

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. Get medical aid if cough or other symptoms appear.
Ingestion	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.
Skin	Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. If rapid recovery does not occur, obtain medical attention
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If rapid recovery does not occur, obtain medical attention
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
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 Combustion Products	Incomplete combustion may produce carbon, sulfur and sodium oxides, plus hydrogen chloride gas.
Specific Methods	Solution will not burn or support combustion. Small fire: Use dry chemical, CO ₂ , water spray or foam. Large fire: Use water spray, fog or foam.
Precautions in connection with Fire	Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

Personal Precautions	Avoid inhalation, contact with skin, eyes and clothing.
Personal Protection	Wear protective clothing specified for normal operations (see 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.

7. Handling and storage

Precautions for Safe Handling	Avoid ingestion and inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Wear suitable protective clothing. Use only in a chemical fume hood. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse.
Conditions for safe storage, including any incompatibilities	Keep in a tightly closed container, stored in a cool, dry, ventilated area. Keep well protected from direct sunlight and moisture. Store away from oxidizing agents. Protect against physical damage. Ensure good ventilation/exhaustion at the workplace.
Storage Temperatures	Store at room temperature (15 to 25 °C recommended).

8. Exposure controls/personal protection

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Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Sulphur dioxide	13	5	5.2	2	
	Hydrochloric acid			5	7.5	Hydrogen chloride Peak Limitation
Other Exposure Information	No exposure standard has been established for this product.					
Appropriate engineering controls	Ensure sufficient ventilation to maintain airborne concentrations below exposure limits. Local exhaust ventilation is recommended.					
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.					
Eye Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.					
Hand Protection	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.					
Personal Protective Equipment	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.					
Body Protection	Flame retardant antistatic protective clothing. Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.					
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.					

9. Physical and chemical properties

Appearance	Clear liquid.
Odour	Sulfur dioxide
Boiling Point	100°C
Solubility in Water	Soluble.
pH	<2

10. Stability and reactivity

Chemical Stability	Stable at normal temperatures.
Conditions to Avoid	High temperatures.
Incompatible Materials	Alkalies, organic materials, oxidizing agents, sulphites, sulphides, cyanides, aluminum, phosphorus, tin and zinc.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	To the best of our knowledge, the toxicological properties of this material have not been fully investigated.
Ingestion	Toxic if swallowed. May be fatal. May be irritating to tissue. May cause burning taste. Ingestion may cause vomiting, diarrhoea.
Inhalation	May be irritating to respiratory tissue. May be harmful if inhaled. May result in coughing wheezing, sneezing, headaches & nausea.
Skin	May be harmful if absorbed through skin. May be irritating to skin tissue.
Eye	Irritating to eye tissue.
Carcinogenicity	Pararosaniline hydrochloride [632-99-5] is evaluated in the IARC Monographs as Group 2B: Possibly

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Chronic Effects carcinogenic to humans.
 Pararosaniline is carcinogenic. Long term effects include liver, kidney and heart damage. Repeated skin contact may cause severe dermatitis.

12. Ecological information

Ecological Information No ecological problems are to be expected when the product is handled and used with due care and attention.

Ecotoxicity Quantitative data on the ecological effect of this product are not available.

Environmental Protection Do not allow to enter waters, waste water, or soil!

13. Disposal considerations

Disposal Considerations Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

14. Transport information

Transport Information Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Poisons Schedule Not Scheduled

16. Other Information

Literature References '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 for 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]'.

Contact

Person/Point

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