

## **Material Safety Data Sheet**

## Section 1: Identification of the Material and Supplier

	tification of the Material		
Supplier:		NSW) Pty. Ltd., ACN: 003 060	160
Address:		OKVALE NSW 2100, Australia	
Tel:	+61 2 9938 1800	(business hours)	
Fax:	+61 2 9905 0979		
Product Name:	DP1		
Other Names:		ner, Glass & Dishwashing Mach	
			hydroxide, disodium trioxosilicate)
Recommended ι			ed as directed on the product label.
	ne Numbers: Transport/Fire	e Emergency:000 Med	ical Emergency: 131126
	ards Identification		
	rding to criteria of Worksaf	e Australia. Dangerous Good	S.
Risk Phrases:	_		
R: 22 Harmful if			
R: 35 Causes s	evere burns.		
Safety Phrases:			
	ed up and out of the reach o		
		nediately with plenty of water an	
		ing, gloves and eye/face protect	
			tely (show the label where possible).
	position/Information on	0	
•	otassium hydroxide	[1310-58-3]	30 - 60 %
S	odium metasilicate pentahyd	Irate [10213-79-3]	< 10 %
C	Other ingredients deemed not	to be hazardous	< 10 %
V	Vater	[7732-18-5]	to 100 %
Section 4: First	Aid Measures		
For advice, cont	act a Poisons Information (	Centre (Phone 131126) or a do	octor.
Swallowed: If	swallowed, do NOT induce	vomiting.	
Skin: If	skin or hair contact occurs, r	remove contaminated clothing a	nd flush skin and hair with running water.
Eyes: If	in eyes, hold eyelids apart a	nd flush the eye continuously wi	th running water. Continue flushing until
a	dvised to stop by the Poisons	Information Center or a doctor,	or for at least 15 minutes.
Inhaled: R	emove from exposure.		
First Aid facilitie	s: Mandatory:	Eye wash. Hand wash basin	
	Recommended:	Emergency shower if handlin	g industrial quantities.
			f potassium hydroxide. Causes severe
			ach and intestines; gastric lavage my be
contraindicated. C	Contact Poisons Information (	Centre. Aggravated medical co	onditions: No data found.
Section 5: Fire	Fighting Measures		
HAZCHEM Code	: 2 R	Evacuate:	No.
Extinguishant:		ine water spray. Risk of viole	ent reaction or explosion: No.
Products of com		, oxides of carbon, oxides of pot	
Protective Equip		e clothing including breathing ap	
	dental Release Measure		· · · · · · · · · · · · · · · · · · ·
		ages from entering natural wate	rs.
			ls to suitable container. Treat residues as
for small spillage.	servan opmage doing band b		
	f local regulations permit mo	op up with plenty of water and ru	in to waste, diluting greatly with running

water. Otherwise, absorb on inert absorbent, transfer to suitable container and arrange removal by disposals company. Wash site of spillage thoroughly with water and detergent.

## Section 7: Handling and Storage

**Precautions for safe handling:** Prevent contact with skin and eyes. Keep away from acids and active metals. **Conditions for safe storage:** Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bunded dangerous goods store. Store in original container. Keep container tightly closed and out of direct sunlight. Keep away from acids, active metals, ammonium compounds. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

**Incompatibles:**Acids, ammonium compounds, active metals (such as aluminium, tin, zinc), organic halogen compounds, organic nitro compounds, wood and paper.

		sonal Protection				
•			issium hydroxide 2 mg/m <sup>3</sup>	<b>S-STEL:</b> None assigned.		
ES-PEAK:	Potassium hydroxide 2 r			lo data found.		
			anised iron, wood or wood p			
				ustrial quantities or if aerosol		
risk exists, co	onsider local mechanical ex	haust/extraction to ke	ep airborne contamination as	low as possible, and at least		
below the TL	V.					
Personal Pro	otective Equipment:Preven	nt contact with skin a	nd eyes. Personal protection	to be selected from those		
recommended below, as appropriate to mode of use, quantity handled and degree of hazard:						
Normal Use: Eye/face protection, rubber / nitrile or PVC gloves, boots.						
Industrial Q	uantities: Face shield or sa	fety glasses, gloves,	rubber or plastic apron, sleev	es, boots, impervious overalls.		
Section 9:	Physical and Chemical					
Appearance	: Clear, colourles	s, mobile liquid.	1 SOV	Nil.		
Odour:	Almost odourles	S.	Evaporation Rate:	lo data.		
pH:	14 Very alkaline		Solubilities: Miscible	with water in all proportions.		
Vapour Pres	ssure: About 23 hPa @	20 °C [water]	Specific Gravity:	.5 g/mL @ 20 °C		
Vapour Den	sity: No data.		Flash Point:	lone.		
<b>Boiling Poin</b>	nt: > 100 °C		Flammable Limits:	lone.		
Melting Poin			Dust Explosion:	lot applicable.		
Volatiles:	About 38 %		Auto-ignition Temperat	ure: No data.		
Other Inform	nation:Very alkaline mixture	e. Will react vigorously	y or violently with acids and a			
			Contact with active metals (set			
			ganic halogen compounds, es			
				products. Will attack wood and		
	ts. May attack glass on prol					
	: Stability and Reactivity	• • • • •				
Chemical St	-	Stable under norma	l conditions			
Conditions to Avoid:						
Incompatible		Incompatible materials. Acids, active metals, ammonium compounds, nitro compounds, organic halogen				
meempation		compounds, wood a		le compounde, organie nalogen		
Hazardous [	Decomposition Products:					
Hazardous F	•		or violently with acids. Cont	act with active metals may		
inazar dodo i				all with abilito motalo may		
		nenerale hvoronen	Contact with ammonium cou	nnounds may generate		
			Contact with ammonium con se fire or explosion with orga			
		ammonia. May cau	se fire or explosion with orga	nic halogen compounds. May		
Section 11:	Toxicological Informat	ammonia. May cau form shock-sensitive		nic halogen compounds. May		
	: Toxicological Informat	ammonia. May cau form shock-sensitive tion	se fire or explosion with orga e salts with organic nitro com	nic halogen compounds. May pounds.		
Health Effec	ts: No data available for the	ammonia. May cau form shock-sensitive tion e mixture. Information	se fire or explosion with orga e salts with organic nitro com presented relates to individu	nic halogen compounds. May pounds. al ingredients.		
	ts: No data available for the Swallowed: Corrosiv	ammonia. May cau form shock-sensitive tion e mixture. Information ve, causes severe bu	se fire or explosion with orga e salts with organic nitro com presented relates to individu rns. Causes a burning sensa	nic halogen compounds. May pounds. al ingredients. tion, abdominal pain, violent		
Health Effec	ts: No data available for the Swallowed: Corrosiv pain in the throat and epig	ammonia. May cau form shock-sensitive tion e mixture. Information ve, causes severe bu gastrium, haematemen	se fire or explosion with orga e salts with organic nitro com presented relates to individu rns. Causes a burning sensa sis, collapse. May cause che	nic halogen compounds. May pounds. al ingredients. tion, abdominal pain, violent mical burns to the mouth,		
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## Mobility: Readily transported by water. Section 13: Disposal Considerations

Section 8: Exposure Controls/Personal Protection

The generator of any wastes from this product is responsible for its proper classification, transport and disposal. Consult appropriate local and State regulations. Disposal methods and containers: Avoid disposal to natural waters or the environment. Do not use aluminium, tin- or zinc-lined containers. Special precautions for landfill or incineration: Not suitable for incineration. May not be suitable for some landfill sites.

Section 14: Transport Info	rmation			
UN Number:	UN 1719			
UN Proper shipping name:	Caustic alkali liquid, n.o.s. (potassium hydroxide, disodium trioxosilicate)			
Class and subsidiary risk:	8 Corrosive.	Packaging group:		
Special precautions for user:	Do not store or transport with other dangerous goods of classes 1, 4.3, 5.1, 5.2, 7, 8 (acids), foodstuffs and foodstuff empties.			
HAZCHEM Code:	2 R Material for export:	Regulated. Refer to IMO/IMDG and IATA/ICAO.		
Section 15: Regulatory Infe	ormation			
Poisons (SUSDP): S6 Pot	tassium hydroxide > 5 %	Dangerous Goods: Yes. UN 1719 8/II 2 R.		
Australian Inventory of Chem	nical Substances (AICS):	Listed.		
Section 16: Other informat	tion			
Data of MCDC undata	April 2011			

Date of MSDS update: April 2011