

Material Safety Data Sheet

BRITE N WHITE



1. Identification of the material and supplier

Trade name of product : BRITE N WHITE
ADG : Not regulated.
Supplier : ECOLAB PTY LTD (A.B.N. 59 000 449 990)
6 Hudson Ave, Castle Hill NSW 2154
Customer Service phone: 1 800 022 002
Free Fax Number: 1 800 655 679
Emergency telephone number : 1 800 124 170
Material uses : Bleach

Product dilution information : Use up to 6% in water

Date of issue : 20 May 2012

2. Hazards identification

	Product AS SOLD	Product AT USE DILUTION
Statement of hazardous/dangerous nature	: Not classified as hazardous according to the criteria of Safe Work Australia nor classified as dangerous goods according to the ADG Code.	Not classified as hazardous according to the criteria of Safe Work Australia nor classified as dangerous goods according to the ADG Code.
Classification	: Not applicable.	Not applicable.
Risk phrases	: Not classified.	Not classified.
Safety phrases	: S61- Avoid release to the environment. Refer to special instructions/safety data sheet.	Not applicable.

3. Composition/information on ingredients

Product AS SOLD

Ingredient name	CAS number	Concentration % (w/w)
sodium hypochlorite	7681-52-9	<10

Other ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

Product AT USE DILUTION

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4. First-aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: Rinse with plenty of running water. Get medical attention if symptoms occur.	Rinse with plenty of running water. Get medical attention if symptoms occur.
Skin contact	: In case of contact, immediately flush skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse.	In case of contact, immediately flush skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse.
Inhalation	: Remove to fresh air. Get medical attention if symptoms occur.	Remove to fresh air. Get medical attention if symptoms occur.
Ingestion	: Do not induce vomiting. Rinse mouth; then drink one or two large glasses of water. Contact a doctor or a Poisons Information Centre (Phone: 13 11 26).	Do not induce vomiting. Rinse mouth; then drink one or two large glasses of water. Contact a doctor or a Poisons Information Centre (Phone: 13 11 26).

4. First-aid measures

Notes to physician : No specific treatment. Treat symptomatically.

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5. Fire-fighting measures

Product AS SOLD

- Extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Fire-fighting media and instructions** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Fire/explosion hazards** : No specific hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
halogenated compounds
metal oxide/oxides

6. Accidental release measures

Product AS SOLD

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
- Methods for cleaning up** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Product AT USE DILUTION

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- Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Product AS SOLD

- Handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid release to the environment.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Product AT USE DILUTION

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- Keep container tightly closed. Keep container in a cool, well-ventilated area.

7. Handling and storage

8. Exposure controls/personal protection

Product AS SOLD

Occupational exposure limits

Ingredient name	Exposure limits
chlorine	Safe Work Australia (Australia, 8/2005). PEAK: 3 mg/m ³ 15 minute(s). PEAK: 1 ppm 15 minute(s).

	Product AS SOLD	Product AT USE DILUTION
Engineering measures	: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
Personal protection		
Eyes	: Recommended: Safety glasses.	Recommended: Safety glasses.
Hands	: Recommended: PVC gloves.	Recommended: PVC gloves.
Respiratory	: A respirator is not needed under normal and intended conditions of product use.	A respirator is not needed under normal and intended conditions of product use.
Skin	: No special protective clothing is required.	No special protective clothing is required.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.	

9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
Physical state	: Liquid.	Liquid.
Colour	: Yellow [Light]	Colourless to light yellow [Light]
Odour	: chlorine	chlorine
pH	: 11.5 to 13 [Conc. (% w/w): 100%]	10.5 to 12
Flash point	: > 100°C Product does not support combustion.	> 100°C
Boiling point	: >100°C (>212°F)	
Relative density	: 1.04 to 1.06	
Solubility	: Easily soluble in the following materials: cold water and hot water.	

10. Stability and reactivity

	Product AS SOLD
Stability	: The product is stable.
Conditions to avoid	: No specific data.
Materials to avoid	: Highly reactive or incompatible with the following materials: acids. Slightly reactive or incompatible with the following materials: organic materials and metals. Mixing this product with acid or ammonia releases chlorine gas.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

10. Stability and reactivity

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

11. Toxicological information

Potential acute health effects

	Product AS SOLD	Product AT USE DILUTION
Inhalation	: No known significant effects or critical hazards.	No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.	No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.	No known significant effects or critical hazards.
Eye contact	: No known significant effects or critical hazards.	No known significant effects or critical hazards.

Potential chronic health effects

Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Reproductive toxicity : No known significant effects or critical hazards.

12. Ecological information

Product AS SOLD

Ecotoxicity data : Not available.
Persistence/degradability : Not available.
Mobility : Not available.
Other adverse effects : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

13. Disposal considerations

	Product AS SOLD	Product AT USE DILUTION
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. 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.	The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. 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.

14. Transport information

Product AS SOLD

Regulation	UN number	Proper shipping name	Classes	Packing group	Additional information
ADG	Not regulated.	-	-	-	
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (sodium hypochlorite). Marine pollutant	9	III	Emergency schedules (EmS) F-A, S-F

Product AT USE DILUTION

Not intended for transport.

15. Regulatory information

AU Classification : **Product AS SOLD**
Not classified as hazardous according to the criteria of Safe Work Australia **nor classified as dangerous goods** according to the ADG Code.
 Not classified.

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Not classified as hazardous according to the criteria of Safe Work Australia **nor classified as dangerous goods** according to the ADG Code.
 Not applicable.
 Not classified.

Australia inventory (AICS) : All substances are listed on AICS or exempt.

Standard for the Uniform Scheduling of Medicines and Poisons

Not scheduled

Control of Scheduled Carcinogenic Substances

<u>Ingredient name</u>	<u>Schedule</u>
No listed substance	

16. Other information

Prepared by : Regulatory Affairs

Date of previous issue : 18 May 2012

References :

- ADG Code - Australian Transport of Dangerous Goods
- Adopted National Exposure Standard for Atmospheric Contaminants in the Occupational Environment
- Approved Criteria for Classifying Hazardous Substances
- List of Designated Hazardous Substances
- National Code of Practice for the Labelling of Workplace Substances
- National Code of Practice for the Preparation of Material Safety Data Sheets
- National Model Regulations for the Control of Scheduled Carcinogenic Substances
- National Model Regulations for the Control of Workplace Hazardous Substances
- Standard for the Uniform Scheduling of Medicines and Poisons

Disclaimer

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**