

Material Safety Data Sheet

PRODUCT NAME **CLAX 100 OB 2AL1**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name JOHNSONDIVERSEY AUSTRALIA PTY LTD
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Synonym(s) HH10492 CLAX 100 OB 2AL1 15L • 720503 CLAX 100 OB 2AL1 200L • 720499 CLAX 100 OB 2AL1 1000L
Use(s) SURFACTANT BOOSTER
MSDS Date 31 October 2007

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

RISK PHRASES

R22 Harmful if swallowed.
R41 Risk of serious damage to eyes.

SAFETY PHRASES

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S39 Wear eye/face protection.

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No. 3082 **DG Class** 9 **Subsidiary Risk(s)** None Allocated
Pkg Group III **Hazchem Code** 2X **EPG** 9C1

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
ISOPROPYL ALCOHOL	C3-H8-O	67-63-0	5-15%
ETHOXYLATED ALCOHOL	Not Available	68439-50-9	15-30%
ALCOHOLS, C12-18, ETHOXYLATED	Not Available	68213-23-0	5-15%
POLYGLYCOLETHER	Not Available	Not Available	<5%
NON HAZARDOUS INGREDIENTS	Not Available	Not Available	remainder

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4. FIRST AID MEASURES

Eye	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the PIC or a doctor, or for at least 15 minutes.
Inhalation	If over exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.
Skin	Gently flush affected areas with water.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor.
Advice to Doctor	Treat symptomatically

5. FIRE FIGHTING MEASURES

Flammability	Non flammable. May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition. This product is non flammable as, according to the ADG code, clause 2.1.3(2): liquids with a flash point of more than 35°C that do not sustain combustion are non flammable liquids.
Fire and Explosion	Non flammable. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
Extinguishing	Non flammable.
Hazchem Code	2X

6. ACCIDENTAL RELEASE MEASURES

Spillage	If spilt (bulk), wear splash-proof goggles, PVC/rubber gloves, coveralls and rubber boots. Absorb spill with sand or similar, collect and place in sealable containers for disposal. Prevent spill entering drains or waterways. Caution: Slippery when spilt.
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7. STORAGE AND HANDLING

Storage	Store in cool, dry, well ventilated area, removed from oxidising agents, acids and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.
Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Stds	Ingredient	Reference	TWA		STEL	
			ppm	mg/m ³	ppm	mg/m ³
	Isopropyl alcohol	NOHSC (AUS)	400.0	983.0	500.0	1230.0

Biological Limits No biological limit allocated.

Engineering Controls Ensure adequate natural ventilation. Maintain vapour levels below the recommended exposure standard.

PPE Wear splash-proof goggles and rubber or PVC gloves. When using large quantities or where heavy contamination is likely, wear coveralls.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	CLEAR COLOURLESS LIQUID	Solubility (water)	SOLUBLE
Odour	CHARACTERISTIC ODOUR	Specific Gravity	0.98
pH	5.0 to 5.5	% Volatiles	NOT AVAILABLE
Vapour Pressure	NOT AVAILABLE	Flammability	NON FLAMMABLE

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Vapour Density	NOT AVAILABLE	Flash Point	45°C (cc)
Boiling Point	NOT AVAILABLE	Upper Explosion Limit	NOT AVAILABLE
Melting Point	NOT AVAILABLE	Lower Explosion Limit	NOT AVAILABLE
Evaporation Rate	NOT AVAILABLE	Autoignition Temperature	NOT AVAILABLE
Viscosity	70 mPas @ 20°C (Dynamic)		

10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended conditions of storage.

Conditions to Avoid Avoid heat, sparks, open flames and other ignition sources.

Material to Avoid Incompatible with oxidising agents (eg. peroxides) and acids (eg. hydrochloric acid).

Decomposition May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition.

Hazardous Reactions Polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary This product may present a hazard with eye contact, prolonged and repeated skin contact or with inhalation at high levels. Upon dilution, the potential for adverse health effects will be reduced.

Eye Exposure may result in lacrimation, pain, redness, conjunctivitis and corneal burns with possible permanent damage.

Inhalation Over exposure may result in mucous membrane irritation of the nose and throat with coughing.

Skin Prolonged and repeated contact may result in drying and defatting of the skin with rash and dermatitis.

Ingestion Ingestion may result in nausea, vomiting, gastrointestinal irritation and diarrhoea.

Toxicity Data ISOPROPYL ALCOHOL (67-63-0)
Carcinogenicity: Not classifiable as to its carcinogenicity (IARC Group 3)
LC50 (Inhalation): 16000 ppm/8 hours 16000/8 hours (rat)
LD50 (Ingestion): 3600 mg/kg (mouse)
LD50 (Skin): 12,800 mg/kg (rabbit)

12. ECOLOGICAL INFORMATION

Environment The manufacturer reports that this product is environmental hazardous. The surfactants used in this product are biodegradable in compliance with the requirements of EC Directives 73/404/EEC and 73/405/EEC and their subsequent amendments.

13. DISPOSAL CONSIDERATIONS

Waste Disposal For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For larger amounts, contact the manufacturer for additional information. Prevent contamination of drains or waterways as aquatic life may be threatened and environmental damage may result.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION



CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.				
UN No.	3082	DG Class	9	Subsidiary Risk(s)	None Allocated
Pkg Group	III	Hazchem Code	2X	EPG	9C1

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IATA

Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
UN No. 3082 **DG Class** 9 **Subsidiary Risk(s)** None Allocated
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IMDG

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Pkg Group III

15. REGULATORY INFORMATION

Poison Schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

16. OTHER INFORMATION

Additional Information ABBREVIATIONS:
ADB - Air-Dry Basis.
BEI - Biological Exposure Indice(s)
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.
CNS - Central Nervous System.
IARC - International Agency for Research on Cancer.
M - moles per litre, a unit of concentration.
mg/m3 - Milligrams per cubic metre.
NOS - Not Otherwise Specified.
pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm - Parts Per Million.
TWA/ES - Time Weighted Average or Exposure Standard.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Report Status This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this MSDS.

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MSDS Date: 31 October 2007

End of Report

CHEM ALERT