

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER			
Product Name	NA-X	Other Names	None
Recommended Use	The intended or recommended use of this preparation is as a fire extinguishing agent.		
Supplier Name	Wormald	Address	Unit 1, 2-8 South Street Rydalmere, NSW 2116 AUSTRALIA
Telephone No.	133 166	Emergency Telephone No.	133 166 or 000
		Date Prepared	May 2008

SECTION 2: HAZARDS IDENTIFICATION			
Hazard Classification	Not hazardous		
Safety Phrase(s)	2, 22, 26	Risk Phrase(s)	36

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS			
SUBSTANCE			
Chemical Identity of the Pure Substance	Common Name / Synonyms	CAS Number	
Not applicable	Not applicable	Not applicable	
MIXTURE			
Chemical Identity of Ingredients	Proportion of Ingredients	CAS Number	
Sodium Carbonate	88-92 %	497-19-8	
Magnesium Aluminium Silicate	2-4 %	8031-18-3	
Nylon	4-6 %	32131-17-2	
Sodium Stearate	1-3 %	822-16-2	

SECTION 4: FIRST AID MEASURES		
Description of Necessary First Aid Measures	EYE CONTACT	Flush with large amounts of water for a minimum of 15 minutes. Do not attempt to neutralize with chemical agents. Seek medical attention as soon as possible. Continue irrigation for an additional 15 minutes if the physician is not available.
	SKIN CONTACT	Wash with soap and water. Remove contaminated clothing. Do not attempt to neutralize with chemical agents. Seek medical attention unless irritation is minor.
	INHALATION	Remove victim to fresh air. Seek medical attention if discomfort continues.
	INGESTION	If patient is conscious, give large amounts of water or milk to drink. DO NOT INDUCE VOMITING. If a physician cannot be reached or if the patient is delayed in transit, an attempt may be made to neutralize the sodium carbonate with dilute solutions of vinegar, orange juice, or lemon juice. Small quantities of olive oil (one teaspoon) may be given intermittently after neutralization.
Medical Attention and Special Treatment	See above	
Aggravated Medical Conditions Caused by Exposure	Respiratory problems	

SECTION 5: FIRE FIGHTING MEASURES			
Suitable Extinguishing Media	This is an extinguishing agent	Hazards From Combustion Products	Combustion or decomposition products include carbon dioxide.
Special Protective Precautions and Equipment for Fire Fighters	None	Hazchem Code	Not hazardous

SECTION 6: ACCIDENTAL RELEASE MEASURES	
Emergency Procedures	Prevent skin and eye contact.
Methods and Materials for Containment and Clean Up	Sweep up and reuse or place in a closed container for disposal. Keep from entering surface water.

SECTION 7: HANDLING AND STORAGE	
Precautions for Safe Handling	Care should be taken in handling all chemical substances and preparations.
Conditions for Safe Storage, Including any Incompatibilities	No special conditions are needed for safe storage. Store in original container. Keep tightly closed until used. Keep from entering surface water.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION			
National Exposure Standards	Not applicable	Biological Limit Controls	Not available
Engineering Controls	Not available	Personal Protection Equipment	Chemical goggles, chemical resistant gloves, and a dust mask, although mechanical ventilation is recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
Appearance	White powder	Odour	None
pH	11.6 in water solution	Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable	Boiling Point / Range	Not applicable
Freezing / Melting Point (specify)	Not available	Solubility in Water	Partly soluble
Specific Gravity or Density	Not applicable	Flash Point	None
Upper and Lower Flammable (explosive) Limits in Air	Not explosive	Ignition Temperature	Does not ignite

SECTION 10: STABILITY AND REACTIVITY			
Chemical Stability	Stable	Conditions to Avoid	None
Incompatible Materials	Strong acids, Aluminium, Phosphorous oxide.	Hazardous Decomposition Products	Combustion or decomposition products include carbon dioxide.
Hazardous Reactions	None		

SECTION 11: TOXICOLOGICAL INFORMATION			
Health Effects From the Likely Routes of Exposure	EYE CONTACT	Eye contact with solid particles or solutions will cause severe irritation to the eyes. Tissue damage can occur if left untreated.	
	SKIN CONTACT	Sodium Carbonate is irritating to the skin. Chronic irritation of the hands and wrists may occur after prolonged skin contact.	
	INHALATION	Inhalation of dusts may produce upper respiratory tract irritation. Perforation of the nasal septum may occur after exposure to Sodium Carbonate dusts.	
	INGESTION	Irritation of the mouth and gastrointestinal tract will occur immediately followed by nausea, vomiting, abnormal pain, diarrhoea, and possibly local tissue damage. Permanent damage to oesophageal structures may occur if medical attention is not obtained.	
Acute Overexposure	See above		
Chronic Overexposure	Gastrointestinal problems can develop.		

SECTION 12: ECOLOGICAL INFORMATION				
Ecotoxicity	Acute Toxicity:			
	Fish,	Gambusia affinis:	LC50 (96 hrs)	740 mg/L
		Lapomis macrochirus:	LC50 (96 hrs)	320 mg/L
	Invertebrates,	Daphnia magna:	LC50 (48 hrs)	265-565 mg/L
		Dugesia sp.	LC50 (48 hrs)	360 mg/L
	Algae,	Nitzschia sp.	LC50 (5 day)	1050 mg/L
	Chronic Toxicity:			
	Fish,	Oncorhynchus sp.	LC100 (5 day)	68-70 mg/L
		Salmo clarki	LC100 (5 day)	80 mg/L
Mobility	Not determined			
Persistence and Degradability	Not determined			
Bioaccumulative Potential	Not determined			
Environmental Fate (Exposure)	Ozone depletion potential:			None
	Photochemical ozone creation potential:			None
	Global warming potential:			None

SECTION 13: DISPOSAL CONSIDERATIONS	
Disposal Methods and Containers	No harm to the environment is expected from this preparation. Dispose of in compliance with local, state and Commonwealth regulations that may be in force.
Special Precautions for Landfill or Incineration	None

SECTION 14: TRANSPORT INFORMATION			
UN Number	Not applicable	UN Proper Shipping Name	Not applicable
Class and Subsidiary Risk	Not applicable	Packing Group	Not applicable
Special Precautions for User	None	Hazchem Code	Not hazardous

SECTION 15: REGULATORY INFORMATION

The regulatory status of a material (including its ingredients) under relevant Australian health, safety and environmental legislation.

Not available

SECTION 16: OTHER INFORMATION

Date of Preparation

May 2008

END OF MSDS