1. IDENTIFICATION

Product Name:	**106 XXXXX 16AB2256 FE N16**
1Recommended Use:	Friction Material for Vehicle Brakes
ABN:	14 004 332 496

2. HAZARDS IDENTIFICATION
CLASSIFICATION

LABEL ELEMENTS

Signal Word: **WARNING**

Hazard Symbol (s):

Harmful

Hazard Statement (s): **H317 May cause and allergic skin reaction**

Precautionary Statements:		
General	**P101** **P102** **P103**	If medical advice is needed, have product container or label at hand Keep out of reach of children Read Label before use
Prevention	**P262** **P261** **P280** **P285**	Do not get in eyes, on skin, or on clothing Avoid breathing dust/fumes/gas/mist/vapors/spray Wear protective gloves/protective clothing/eye protection/face protection In case of inadequate ventilation wear respiratory protection
Response	**P305 + P351** **P302 + P352** **P308 + P313**	If in eyes rinse cautiously with water for several minutes If on skin wash with plenty of water If exposed or concerned get medical advice / attention
Storage	**P405**	Store locked up
Disposal	**P501**	Dispose of contents to hazardous waste collection point

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	**CAS number**	**Classification for ingredients exceeding cut off values**	**Proportion %**
Graphite	7782-42-5		10-20
Cashew Nut Shell polymer	68583-06-02	Skin sensitizer CAT 1	1-2
Quartz	14808-60-7		<1
Carbon Black	1333-86-4		<0.1
Meth enamine	100-97-0	Skin sensitizer CAT 1	<1
Phenol	108-95-2		<1
Ingredients determined to be non-hazardous			to 100%
Total			**100%**

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre

Australia 131 126 New Zealand 0800 764 766

Inhalation	Move to fresh air - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
Skin Contact	If skin or hair contact occurs, remove contaminated clothing and footwear. Flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
Eye Contact	If in eyes wash out immediately with plenty of water, also under eyelids, for at least 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.
Ingestion	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. Seek medical advice.
Notes to Physician	Treat Symptomatically

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Equipment	If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).
Specific Hazards Arising from the Chemical / Mixture	Combustible material. In common with many organic chemicals, may form flammable dust clouds in air. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area. Do NOT smoke. May produce toxic fumes if burning.
Special Protective Equipment and Precautions for Fire Fighters	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion.
HAZCHEM Code	Not Applicable

6. ACCIDENTIAL MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	☐ Clear area of all unprotected personnel ☐ Wear protective equipment to prevent skin and eye contamination and inhalation of dust ☐ Avoid inhalation of dust. ☐ Remove all ignition sources ☐ Provide sufficient ventilation
Environmental Precautions	☐ Prevent product from entering sewers or waterways ☐ If contamination of sewers or waterways has occurred advise local emergency services.
Methods and Materials for Containment and Cleaning up	☐ Wipe up with absorbent (clean rag or paper towels). ☐ Collect and seal in properly labelled containers or drums for disposal. ☐ Cover with damp absorbent (inert material, sand or soil). ☐ Sweep or vacuum up, but avoid generating dust. ☐ Collect and seal in properly labelled containers or drums for disposal

7. HANDLING AND STORAGE

Precautions for Safe Handling	• Avoid generating and breathing dust • Do not grind, sand, drill or machine product without using appropriate PPE • Do not dry sweep dust. Wet dust with water before sweeping or using a HEPA vacuum to collect dust and clean equipment • Do not use compressed air for cleaning • Wash thoroughly after handling with soap and water
Conditions for Safe Storage	☐Keep product dry

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE STANDARDS

Chemical component	TWA		STEL		Classification Category	Notices
	PPM	mg/m^3	PPM	mg/m^3		
Graphite (all forms except fibers)		3				Respirable fraction
Quartz		0.1				Respirable fraction
Phenol	1	4				
Carbon Black		3				
Inspirable Dust		10				

This product may contain <1% quartz (fine fraction) as a raw material contaminant

PPM = Parts per Million

As Published by Safe Work Australia (SWA). A list of current Australian Exposure Standards is available on the Hazardous Substances Information System (HSIS), which can be accessed from www.safeworkaustralia.gov.au

TWA = Time Weighted Average	The average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.
STEL = Short term Exposure Limit	The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable.

These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard.

The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values	No Biological limit allocated
Engineering Controls	Handle with good industrial hygiene and safe work practices Ensure ventilation is adequate to maintain air concentrations below Exposure Standards using engineering controls if necessary Use only in well ventilated areas. Natural ventilation should be adequate under normal use conditions.

INDIVIDUAL PROTECTION MEASURES

Avoid the generation of dusts. Where dust exists, wear protective gear.

Wash contaminated clothing and protective equipment before storing or re-using

Eye and Face Protection	Safety Glasses with side shields

Skin Protection	Overalls and/ or other removable protective clothing is recommended. Handle with gloves. Gloves must be inspected prior to use.
	Nitrile rubber gloves are suitable for product handling. Dispose of contaminated gloves after use in accordance with applicable laws and good workplace practices. Wash and dry hands
Respiratory Protection	Where risk assessment shows respiratory protection is appropriate, a P2 Dust mask marked as conforming to the AS/NZ 1716 standard *Respiratory Protective Devices* is required. Respiratory equipment should be used in reference to AN/NZ 1715 standard *Selection, Use and Maintenance of Respiratory Protective Equipment.*
Thermal Hazards	Standard Personal Protective Equipment required for the safe handling of this product should not adversely increase the thermal load of the wearer.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey / Black powder or solid
Odor	Not Applicable
Odor Threshold	Not Applicable
pH	Not Applicable
Melting point / freezing point	Not Applicable
Initial Boiling Point and boiling range	Not Applicable
Flash Point	Not Applicable
Evaporation Rate	Not Applicable
Flammability (solid, gas)	Not Applicable
Upper / Lower flammability or explosive limits	Not Applicable
Vapor Pressure	Not Applicable
Vapor Density	Not Applicable
Relative Density	Not Applicable
Solubility	Insoluble in water
Partition Coefficient: n-octanol / water	Not Applicable
Auto ignition temperature	Not Applicable
Decomposition temperature	Not Available
Viscosity	Not Applicable

10. STABILITY AND REACTIVITY

Chemical Reactivity	The material is non-reactive when used and stored as directed
Chemical Stability	The material is thermally stable when used and stored as directed
Hazardous Reactions	No known hazardous reactions
Conditions to Avoid	Elevated temperatures and sources of ignition
Incompatible Materials	Strong Oxidizing agents
Hazardous Decomposition Products	Oxides of Carbon and Nitrogen, smoke and other toxic fumes may be liberated at elevated temperatures

11. TOXILOGICAL INFORMATION

Acute Toxicity	LD_{50} Data is not available for this product as a mixture.		
Skin corrosion / Irritation	Mixture	No information available	
Serious Eye Damage / Irritation	Mixture	No information available	
Respiratory or skin sensitization	Mixture	No information available	
Germ cell mutagenicity	Mixture	No information available	
Carcinogenicity	Quartz	Group 1 Carcinogen (IARC)	
	Carbon Black	Group 2B (IARC)	
Reproductive toxicity	Mixture	No information available	
Specific Target Organ Toxicity (STOT) –single exposure		Mixture	No information available
Specific Target Organ Toxicity (STOT) –repeated exposure		Quartz	Category 1 – Lungs * % Quartz in mixture not sufficient to meet STOT criteria
Aspiration Hazard	Mixture	No information available	

12. ECOLOGICAL INFORMATION

Avoid contaminating Waterways		
Eco toxicity	Eco toxicity Data is not available for this product as a mixture. However, for some of the components in their Raw Material state;	
	Cashew Nut Shell liquid	Harmful to the aquatic life with long lasting effects (Chronic Cat 3)
	Meth enamine	May be harmful to the aquatic environment
Persistence and biodegradability	Mixture	No information available
Bio accumulative Potential	Mixture	No information available
Mobility in Soil	Mixture	No information available
Other Adverse Effects	Mixture	No information available

13. DISPOSAL CONSIDERATIONS

Disposal Method	☐ Product should be disposed in accordance with applicable State / Territory Land Waste Management Authority
Disposal limitations	☐ Disposal methods should avoid pulverization of the product ☐ Product should not be discharged to sewer ☐ Product should not be discharged to storm water ☐ Product is not suitable for recycling ☐ Product is not suitable for incineration
Disposal Considerations	☐ Persons conducting disposal activities please refer to the information in section 8 – Exposure Controls and Personal Protection of this SDS

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

UN Number	Not Available
Proper Shipping or Technical Name	Not Available
Transport Hazard Class	Not Available
Packing Group	Not Available
Environmental; Hazards for Transport Purposes	Not Available
Special Precautions for the User	Not Available
Additional Information	Not Available
HAZCHEM or Emergency Action Code	Not Available

MARINE TRANSPORT
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

The product is subject to the following international agreements

Montreal Protocol (Ozone Depleting Substances)	Not Applicable
The Stockholm Convention (Persistent Organic Pollutants)	Not Applicable
The Rotterdam Convention (Prior Informed Consent)	Not Applicable
Basel Convention (Hazardous Waste)	Not Applicable
International Convention for the prevention of Pollution from Ships (MARPOL)	Not Applicable

The product is subject to the following Health Safety and Environmental Regulation

Standard for the uniform scheduling of medicines and poisons (SUSMP)	Poisons Schedule: Not assigned
Australian inventory of chemical substances (ACIS)	Not Applicable for product Constituents as listed
National industrial chemicals notification and assessment (NICNAS)	Not Applicable for product

16. OTHER INFORMATION

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since we cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

Abbreviations and Acronyms Used in preparation of the SDS

GHS	Global Harmonized System of Classification and Labeling
ADG	Australian Dangerous Goods Code
SWA	Safe Work Australia
TWA	Time Weighted Average
PPM	Parts Per Million
mg/m3	Milligrams per cubic meter
STEL	Short Term Exposure Limit
LD50	Lethal Dose 50%
LC50	Lethal Concentration 50%
IARC	International Agency for Research on Cancer
STOT	Specific Target Organ Toxicity