



SAFETY DATA SHEET

1. IDENTIFICATION

Product Name:	Bendix Brake Clean Rotor Wipes
Recommended Use:	Brake Rotor Cleaner
Supplier:	FMP Group (Australia) Pty. Ltd
ABN:	14 004 332 496
Street Address:	Elizabeth Street Ballarat, Victoria 3350 Australia
Telephone:	1300 737 162
Facsimile:	+61 35336 1274
Emergency:	+61 35327 0211

2. HAZARDS IDENTIFICATION

CLASSIFICATION

Classified according to GHS and Safe Work Australia criteria

LABEL ELEMENTS

Signal Word:

DANGER

Hazard Symbol (s):



Flammable



Harmful

Hazard Statement (s):

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

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	P210 P233 P242 P243 P264 P280	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Use non-sparking tools. Take action to prevent static discharges. Wash hands, face and all exposed skin thoroughly after handling Wear protective gloves and eye protection
Response	P305+P351+P338 P303 + P361 P337 + P313 P370 + P378	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. IF ON SKIN: Wash with plenty of water. IF eye irritation persists. Get medical advice / attention. In case of fire. Use water to extinguish.
Storage	P404 + P235	Store in a well-ventilated place. Keep Cool.
Disposal	P501	Dispose of contents to hazardous waste collection point



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3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS number	Classification for ingredients	Proportion%
Ethyl Alcohol	64-17-5	Flammable Liquid CAT 2 Eye Irritant CAT 2	>60
Propylene Glycol	57-55-6	-	<10
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	Remove contaminated clothing and loosen remaining clothing. Remove to fresh air. 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.
Ingestion	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	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 vapour or products of combustion.
HAZCHEM Code	1Z

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	<ul style="list-style-type: none">Wear protective equipment to prevent skin and eye contamination.Remove all ignition sources.Provide sufficient ventilation.
Environmental Precautions	<ul style="list-style-type: none">Prevent product from entering sewers or waterways
Methods and Materials for Containment and Cleaning up	<ul style="list-style-type: none">Wipe up with absorbent (clean rag or paper towels). Collect in sealed drum for disposal.



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7. HANDLING AND STORAGE

Precautions for Safe Handling	<ul style="list-style-type: none">• Use in well-ventilated areas away from sources of ignition.• Wash thoroughly after handling with mild soap and water• Avoid skin and eye contact.
Conditions for Safe Storage	<ul style="list-style-type: none">• Keep product dry. Store in a well-ventilated place away from sources of ignition.• Treat as flammable material

8. EXPOSURE STANDARDS AND PERSONAL PROTECTION

EXPOSURE STANDARDS						
Chemical component	TWA		STEL		Classification Category	Notices
	PPM	mg/m ³	PPM	mg/m ³		
Propane-1,2-diol	150	474				
Ethyl Alcohol	1000	1880				
mg/m3 = milligrams per cubic meter						
PPM = Parts per Million						
As Published by Safe Work Australia (SWA). A list of current Australian Exposure Standards is available on the Hazardous Chemical Information System (HCIS), 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 to 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.						
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 Avoid all sources of ignition Natural ventilation should be adequate under normal use conditions.					
INDIVIDUAL PROTECTION MEASURES						
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, Local exhaust Ventilation (LEV) may be required.					
Thermal Hazards	Standard Personal Protective Equipment required for the safe handling of this product should not adversely increase the thermal load of the wearer.					



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paper wipe impregnated with clear solution
Odour	Solvent odour
pH	Not Applicable
Melting point / freezing point	Not Applicable
Initial Boiling Point and boiling range	80°C at 100kPa
Flash Point	Not Applicable
Evaporation Rate	Not Applicable
Flammability (solid, gas, liquid)	99.95% (liquid phase)
Upper / Lower flammability or explosive limits	Not Available
Vapour Pressure	Not Applicable
Vapour Density	Not Applicable
Relative Density	Not Applicable
Solubility	Liquid phase is water soluble
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 Oxidising agents
Hazardous Decomposition Products	Oxides of Carbon, smoke may be liberated at elevated temperatures

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	LD ₅₀ Data is not available for this product as a mixture.		
Skin corrosion / Irritation	Mixture	Not classified	
Serious Eye Damage / Irritation	Mixture	Causes serious eye irritation	
Respiratory or skin sensitization	Mixture	Not classified	
Germ cell mutagenicity	Mixture	Not classified	
Carcinogenicity	Mixture	Not classified	
Reproductive toxicity	Mixture	No information available	
Specific Target Organ Toxicity (STOT) –single exposure	Mixture	No information available	
Specific Target Organ Toxicity (STOT) –repeated exposure	Mixture	No information available	
Aspiration Hazard	Mixture	No information available	



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12. ECOLOGICAL INFORMATION

Avoid contaminating Waterways

Ecotoxicity	Ecotoxicity Data is not available for this product as a mixture. state;	
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	<ul style="list-style-type: none">Product should be disposed in accordance with applicable State / Territory Land Waste Management Authority
Disposal limitations	<ul style="list-style-type: none">Product should not be discharged to sewerProduct should not be discharged to storm water
Disposal Considerations	<ul style="list-style-type: none">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. ", as this product meets the criteria for Special Provision 216 of that code in relation to UN Number 3175 (**Class 4.1, Packing Group II, Shipping Name SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.**). Special Provision 216 states: Mixtures of solids which are not subject to this Code and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed. Each cargo transport unit must be leakproof when used as a bulk packaging. Sealed packets and articles containing less than 10 ml of a packing group II or III flammable liquid absorbed into a solid material are not subject to this Code provided there is no free liquid in the packet or article.

MARINE TRANSPORT

This product as packaged is not classified as dangerous goods under the "International Maritime Dangerous Goods Code" (IMDG), as this product meets the criteria for Special Provision 216 of that code in relation to UN Number 3175 (Class 4.1, Packing Group II, Shipping Name SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.). Special Provision 216 of the IMDG states: Mixtures of solids which are not subject to the provisions of this Code and flammable liquids may be transported under this entry without first applying the classification criteria of class 4.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed. Each cargo transport unit shall be leakproof when used as a bulk container. Sealed packets and articles containing less than 10 mL of a packing group II or III flammable liquid absorbed into a solid material are not subject to the provisions of this Code provided there is no free liquid in the packet or article.

AIR TRANSPORT

This product as packaged is not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air, as this product meets the criteria for Special Provision A46 of that code in relation to UN Number 3175 (Class 4.1, Packing Group II, Shipping Name SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.). Special Provision 216 of the IMDG states: Mixtures of solids which are not subject to these Instructions and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, providing there is no free liquid visible at the time the substance is packaged, and the packaging must pass a leak proofness test at the Packing Group II level. Small inner packaging's consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Instructions provided there is no free liquid in the packet or articles.



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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)	Applicable. Organic Solvent
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

16. OTHER INFORMATION

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

SDS Preparation Information

SDS Version	Reason for Revision	Notes
1.0	Release in GHS Format	SDSID: BBCRW23

This SDS summarises 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 FMP Group (Australia) Pty Limited 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