SAFETY DATA SHEET

1. IDENTIFICATION

Product Name:	**Bendix Cleanup**
Recommended Use:	Brake and Parts 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

Health Hazard

Harmful

Hazard Statement (s):

H222 Extremely flammable aerosol.
H229 Pressurized container: may burst if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H340 May cause genetic defects.
H350 May cause cancer.
H372 Causes damage to organs through prolonged or repeated exposure.
AUH066 Repeated exposure may cause skin dryness and cracking.

Precautionary Statements:		
General	**P101**	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P103	Read Label before use.
Prevention	**P201**	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P210	Keep away from heat/spark/open flames/ hot surfaces. No smoking.
	P211	Do not spray on an open flame or other ignition source.
	P251	Do not pierce or burn, even after use.
	P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
	P264	Wash hands, face and all exposed skin thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves / clothing including eye/face protection.
	P285	In case of inadequate ventilation wear respiratory protection.

Response	**P301 + P310** **P331** **P302 + P352** **P332 + P313** **P305 + P351 + P338** **P337 + P313** **P304 + P340** **P308 + P313** **P362 + P364**	IF SWALLOWED: Immediately call a Poison Centre / Physician / Doctor. DO NOT induce vomiting. IF ON SKIN. Wash with plenty of water. If skin irritation or rash occurs. Get medical advice / attention. IF IN EYES. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists. Get medical advice / attention. IF INHALED: Remover person to fresh air and keep comfortable for breathing. If exposed or concerned. Get medical attention. Take off contaminated clothing and wash before reuse
Storage	**P405** **P410 + P412** **P403**	Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50ºC / 122 ºF. Store in a well-ventilated place.
Disposal	**P501**	Dispose of contents to hazardous waste collection point.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS number	Classification for ingredients	Proportion %
Solvent naphtha, petroleum, light aliphatic	64742-89-8	Aspiration Hazard CAT 1 Carcinogen CAT 1A Germ Cell Mutagenicity CAT 1B Eye Irritation CAT 2A Skin Irritation CAT 2 STOT RE CAT 1	30 - 60
Propan-2-ol	67-63-0	Flammable Liquid CAT 2 Eye Irritation CAT 2A STOT SE CAT 3	30 - 60
Butane	106-97-8	Flammable Gas CAT 1	10 - 30
Acetic Acid	141-78-6	Flammable Liquid CAT 2 Eye Irritation CAT 2A STOT SE CAT 3	0-10
Propane	74-98-6	Flammable Gas CAT 1	0-10
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 victim from exposure source. Remove contaminated clothing and loosen remaining clothing. Seek medical advice if effects persist.
Skin Contact	If skin or hair contact occurs, remove contaminated clothing and footwear. Flush skin and hair with warm running water for 15-20 minutes. If swelling, redness, blistering, or irritation occurs seek medical assistance.
Eye Contact	If in eyes wash out immediately with plenty of warn water, also under eyelids, for at least 15-20 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 or convulsing 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), alcohol resistant foam, dry agent (carbon dioxide, dry chemical powder). Do not use a straight stream of water.
Specific Hazards Arising from the Chemical / Mixture	Extremely Flammable Gas. Ruptures cylinders may rocket. May form flammable vapour mixtures with air. Buring or decomposing product may emit toxic fumes. Run-off may create fire or explosive hazard. 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.
Special Protective Equipment and Precautions for Fire Fighters	Heating can cause violent rupture of containers. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
HAZCHEM Code	2YE

6. ACCIDENTAL RELEASE 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 gas/vapour. • Avoid inhalation of gas/ vapours. • Eliminate all ignition sources. • Provide sufficient ventilation. • Do not walk through released material.
Environmental Precautions	• Prevent product from entering sewers or waterways. • Supress aerosol with water spray. • If contamination of sewers or waterways has occurred advise local emergency services.
Methods and Materials for Containment and Cleaning up	• Clear area of all unprotected personnel. • Rinse area with water. • Keep area well ventilated. • Remove all ignition sources. • Use spark-free clean up equipment. • Collect with absorbent material – rags, paper towel, vermiculite, dry sand, earth or similar. • Seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling	• Do not allow contact with eyes and skin. • Do not inhale of vapor, mist or aerosols. • Remove all sources of ignition. • Ensure adequate ventilation. • Eye wash stations and safety showers should be available. • Smoking and food/drink consumption should be prohibited.
Conditions for Safe Storage	• Store away from sources of heat and/or ignition. • Protect containers against impact damage. • Store in a cool, dry, well-ventilated place out of direct sunlight. • Store away from foodstuffs. • Stored locked up. • Store away from incompatible materials. • Regularity check containers for damage and leaks This material is classified as a dangerous good 2.1 Flammable Gas and as such must be handled and stored in accordance with the criteria specified in the Australian Dangerous Goods Code.

8. EXPOSURE STANDARDS AND PERSONAL PROTECTION

EXPOSURE STANDARDS

Chemical component	TWA		STEL		Notices
	PPM	mg/m^3	PPM	mg/m^3	
Butane	800	1900	-	-	
Acetic Acid	200	720	400	1440	
Isopropyl Alcohol	400	983	500	1230	
Propane	-	-	-	-	Asphyxiant

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 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.

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. Use with local exhaust ventilation (LEV) or while wearing appropriate respirator. Vapour is heavier than air. Prevent concentration in hollows or sumps. Do not enter confined spaces where vapour may have collected. An asphyxiant gas can lead to the reduction of oxygen concentration in air to a level unsafe for human occupation.

INDIVIDUAL PROTECTION MEASURES

Avoid bodily contact with product. Do not inhale or ingest.
Wash hands prior to eating, drinking or smoking.
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 intermittent 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 respirator 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	Aerosol
Odour	Not Applicable
pH	Not Applicable
Density	6.18 lb/gal
Specific Gravity	0.74
Melting point / freezing point	Not Available
Initial Boiling Point and boiling range	Not Available
Flash Point	-106°C
Evaporation Rate	Not Available
Lower Explosion Level	1.8
Upper Explosion Level	9.5
Flammability (solid, gas)	Not Available
Upper / Lower flammability or explosive limits	Not Available
Vapour Pressure	Not Available
Vapour Density	Not Available
Density VOC	6.18 lb/gal
Solubility	Not Available
Partition Coefficient: n-octanol / water	Not Available
Auto ignition temperature	Not Available
Decomposition temperature	Not Available
% VOC	100
Viscosity	Not Available

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	Oxidising agents
Hazardous Decomposition Products	Oxides of Carbon and Nitrogen, smoke and other toxic fumes 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	Causes skin irritation
Serious Eye Damage / Irritation	Mixture	Causes serious eye irritation
Respiratory or skin sensitization	Mixture	May be an irritant to mucous membranes.
Germ cell mutagenicity	Mixture	Classed as germ cell mutagen Cat 1B
Carcinogenicity	Mixture	Classed as cancer agent
Reproductive toxicity	Mixture	Not classed as reproductive toxicant
Specific Target Organ Toxicity (STOT) –single exposure	Mixture	May cause CNS depression.
Specific Target Organ Toxicity (STOT) –repeated exposure	Mixture	Prolonged exposure may cause organ damage and death.
Aspiration Hazard	Mixture	Classed as Aspiration hazard Cat 1

12. ECOLOGICAL INFORMATION

Avoid contaminating Waterways		
Ecotoxicity	Ecotoxicity Data is not available for this product as a mixture. However, this product has been classified as having long term hazards to the aquatic environment.	
Persistence and biodegradability	Mixture	106-97-8 BUTANE, 67-63-0 ISOPROPYL ALCOHOL: Readily biodegradable
Bio accumulative Potential	Mixture	67-63-0 ISOPROPYL ALCOHOL: Not expected to Bioaccumulate
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 packaging. • 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	
Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.	
UN Number	1950
Proper Shipping or Technical Name	AEROSOLS
Transport Hazard Class	2.1
Packing Group	None
Environmental; Hazards for Transport Purposes	Not Applicable
Special Precautions for the User	Not Applicable
Additional Information	Segregation of goods in accordance with the ADG
HAZCHEM or Emergency Action Code	2YE
MARINE TRANSPORT **Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.**	
UN Number	1950
Proper Shipping or Technical Name	AEROSOLS
Transport Hazard Class	2.1
Packing Group	None
Environmental; Hazards for Transport Purposes	Marine Pollutant (P)
AIR TRANSPORT **Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.**	
UN Number	1950
Proper Shipping or Technical Name	AEROSOLS, FLAMMABLE
Transport Hazard Class	2.1
Packing Group	None

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
International Convention for the prevention of Pollution from Ships (MARPOL)	Annex III – Harmful substances carried in packaged form
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: BLG419
2.0	Scheduled Review	SDSID: BPC424

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 Labelling
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
CNS	Central Nervous System
LD50	Lethal Dose 50%
LC50	Lethal Concentration 50%
IARC	International Agency for Research on Cancer
VOC	Volatile Organic Compounds
STOT	Specific Target Organ Toxicity