



SAFETY DATA SHEET

1. IDENTIFICATION

Product Name:	Bendix Degrease
Recommended Use:	Oil and Grease Remover
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



Exclamation Mark

Hazard Statement (s):

- H222 Extremely flammable aerosol
- H229 Pressurized container may burst if heated
- H280 Contains gas under pressure, may explode if heated
- H304 May be fatal if swallowed and enters airways
- H314 Causes severe skin burns and eye damage
- H340 May cause genetic defects
- H350 May cause cancer
- H372 Causes damage to organs through prolonged or repeated exposure

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	P201 P202 P210 P211 P251 P260 P264 P270 P271 P280 P285	Obtain special instructions before use Do not handle until all safety precautions have been read and understood Keep away from heat/spark/open flames/ hot surfaces. No smoking Do not spray on an open flame or other ignition source Do not pierce or burn, even after use Do not breathe dust/fumes/gas/mist/vapours/spray Wash hands, face and all exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area Wear protective gloves/protective clothing including eye / face protection In case of inadequate ventilation wear respiratory protection
Response	P301 + P310 P301 + P330 + P331 P303 + P361 +P353 P305 + P351 + P338 P337 + P313 P363	If SWALLOWED: Immediately call a Poison Centre / Physician / Doctor If SWALLOWED: Rinse Mouth. Do NOT Induce Vomiting IF ON SKIN/ HAIR. Take off immediately all contaminated clothing. Wash with plenty of soap and water. 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 Wash all contaminated clothing before reuse.



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Storage	P403 + P233 P405 P410 + P412	Store in a well-ventilated place. Keep container tightly closed Store locked up Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122 °F
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	>60
Butane	106-97-8	Flammable Gas CAT 1 Gases Under Pressure	10-30
Ethanolamine	141-43-5	Acute Toxicity CAT 4 Skin Irritation CAT 1B	1-10
Propane	74-98-6	Flammable Gas CAT 1 Gases Under Pressure	1-10
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 running water and mild soap. 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



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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	Extremely Flammable Aerosol. May form flammable vapour mixtures with 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.
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	<ul style="list-style-type: none">• Clear area of all unprotected personnel• Wear protective equipment to prevent skin and eye contamination and inhalation of gas• Avoid inhalation of gas. / vapours• Remove all ignition sources• Provide sufficient ventilation
Environmental Precautions	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Clear area of all unprotected personnel• Remove all ignition sources• Use spark-free clean up equipment• Collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling	<ul style="list-style-type: none">• Avoid eye contact and skin contact.• Avoid inhalation of vapor, mist or aerosols• Do not grind, sand, drill or machine product
Conditions for Safe Storage	<ul style="list-style-type: none">• Store away from sources of heat and/or ignition• 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 <p>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.</p>



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8. EXPOSURE STANDARDS AND PERSONAL PROTECTION					
EXPOSURE STANDARDS					
Chemical component	TWA		STEL		Notices
	PPM	mg/m ³	PPM	mg/m ³	
Butane	800	1900	-	-	
Ethanolamine	3	75	6	15	
mg/m ³ = 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. Prevent vapour concentration in hollows or sumps. Do not enter confined spaces where vapour may have collected.				
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 mask marked as conforming to the AS/NZ 1716 standard <i>Respiratory Protective Devices</i> is required. Respiratory equipment should be used in reference to AN/NZ 1715 standard <i>Selection, Use and Maintenance of Respiratory Protective Equipment</i> .				
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	Aerosol
Odour	Not Applicable
pH	Not Applicable
Melting point / freezing point	Not Available
Initial Boiling Point and boiling range	Not Available
Flash Point	-104 (propane)
Evaporation Rate	Not Available
Flammability (solid, gas)	Not Available
Upper / Lower flammability or explosive limits	LEL – 1.8 UEL – 9.5
Vapour Pressure	Not Available
Vapour Density	Not Available
Relative Density (air = 1)	>1
Solubility	Insoluble in water
Partition Coefficient: n-octanol / water	Not Available
Auto ignition temperature	Not Available
Decomposition temperature	Not Available
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 damage
Serious Eye Damage / Irritation	Mixture	Causes serious eye irritation
Respiratory or skin sensitization	Mixture	Not classed as respiratory or skin sensitizer
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	Not classed as single exposure toxicant
Specific Target Organ Toxicity (STOT) –repeated exposure	Mixture	May cause organ damage
Aspiration Hazard	Mixture	Classed as Aspiration hazard Cat 1



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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	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">Disposal methods should avoid pulverization of the productProduct should not be discharged to sewerProduct should not be discharged to storm waterProduct is not suitable for recyclingProduct is not suitable for incineration
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

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



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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
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: BDG419
2.0	Update without formulation change	SDSID: BDG419

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