





**BWBS – BUMPER STRIPPER AERO****Section 1: PRODUCT IDENTIFICATION**

Product Name	Bodyworx by GPI™ Bumper Stripper	Other names	–
GPI Product code/s	BWBS	Recommended use/s	–
Manufacturer	Dominion Sure Seal Ltd. 6175 Danville Road Mississauga, Ontario L5T 2H7 Canada Phone: +1 (905) 670 5411 Fax: +1 (905) 670 5174	Importer/Supplier	GPI Automotive Products Pty. Ltd. 275 Wellington Road Mulgrave VIC 3150 Australia Phone: +61 3 8541 7500 Fax: +61 3 9562 0789
Emergency contact	Poisons Information Centre (Australia)	Phone: 13 11 26	www.austin.org.au/poisons

Section 2: HAZARD IDENTIFICATION

Hazard classification	HAZARDOUS SUBSTANCE	DANGEROUS GOODS	According to the Model WHS Regulations and the ADG Code.
Label elements	   		
Signal word	DANGER		
GHS Classification	Flammable aerosols Category 1 Specific target organ toxicity, repeated exposure Category 1 Germ cell mutagenicity Category 1B Carcinogenicity Category 1B Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A		
Hazard statements	H222: Extremely flammable aerosol. H280: Contains gas under pressure; may explode if heated. H315: Causes skin irritation. H319: Causes serious eye irritation. H340: May cause genetic defects. H350: May cause cancer. H372: Causes damage to organs through prolonged or repeated exposure.		
Precautionary statements	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves/protective clothing, eye protection, face protection. P302+P352: IF ON SKIN: Wash with plenty of water. P305+P351+P338: Remove contact lenses if present and easy to do. Continue rinsing. P308+P313: If exposed or concerned: Get medical advice/attention. P321: Specific treatment (see on this label). P332+P313: If skin irritation occurs: Get medical advice/attention. P337+P313: If eye irritation persists: Get medical advice/attention. P362+P364: Take off contaminated clothing and wash it before reuse. P403: Store in a well-ventilated place. P405: Store locked up. P410: Protect from sunlight. P412: Do not expose to temperatures exceeding 50°C. P501: Dispose of contents/container in accordance with local/regional/national/international regulations.		

**BWBS – BUMPER STRIPPER AERO****Section 3: CHEMICAL COMPOSITION**

Ingredient name	Synonym/s	CAS number	Proportion (% weight)
Methylene chloride	–	75-09-2	60 – 80
Isobutane	–	75-28-5	2.5 – 10
Isopropyl alcohol	–	67-63-0	2.5 – 10
Propane	–	74-98-6	2.5 – 10
Monoethanolamine	–	141-43-5	1 – 2.5
Anhydrous ammonia	–	7664-41-7	0.1 – 1
Mineral spirits	–	8052-41-3	0.1 – 1
Ingredients determined not to be hazardous			2.5 – 10

Section 4: FIRST AID MEASURES

General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.		
Route of exposure	Symptoms caused by exposure		Description of necessary first aid measures
Eye contact	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.		Rinse with water. Get medical attention if irritation develops and persists.
Skin contact	Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.		Wash off with soap and water. Get medical attention if irritation develops and persists.
Inhalation	Dizziness.		Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion	Nausea.		Rinse mouth. Get medical attention if symptoms occur.
Medical attention and special treatment	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.		

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media	–
Unsuitable	–
Specific hazards arising from the chemical	Contents under pressure. Pressurised container may explode when exposed to heat or flame.
Special protective equipment and precautions for fire fighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire-fighting equipment/instructions	In case of fire: <ul style="list-style-type: none">• Stop leak if safe to do so.• Do not move cargo or vehicle if cargo has been exposed to heat.• Move containers from fire area if you can do so without risk.• Containers should be cooled with water to prevent vapour pressure build up.• For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible.• If not, withdraw and let fire burn out.
Specific methods	Use standard fire fighting procedures and consider the hazards of other involved materials. <ul style="list-style-type: none">• Move containers from fire area if you can do so without risk.• Cool containers exposed to flames with water until well after the fire is out.• In the event of fire and/or explosion do not breathe fumes.
General fire hazards	<ul style="list-style-type: none">• Extremely flammable aerosol.

**BWBS – BUMPER STRIPPER AERO****Section 6: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	<ul style="list-style-type: none">• Keep unnecessary personnel away.• Keep people away from and upwind of spill/leak.• Keep out of low areas.• Wear appropriate protective equipment and clothing during clean-up.• Do not breathe gas.• Emergency personnel need self-contained breathing equipment.• Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.• Ventilate closed spaces before entering them.• Local authorities should be advised if significant spillages cannot be contained.• For personal protection, see Section 8 of this SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
Methods and materials for containment and cleaning up	<ul style="list-style-type: none">• Refer to attached safety data sheets and/or instructions for use.• Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).• Keep combustibles (wood, paper, oil, etc.) away from spilled material.• Stop leak if you can do so without risk.• Move the cylinder to a safe and open area if the leak is irreparable.• Isolate area until gas has dispersed.• For waste disposal, see Section 13 of this SDS.

Section 7: HANDLING AND STORAGE

Precautions for safe handling	<ul style="list-style-type: none">• Obtain special instructions before use.• Do not handle until all safety precautions have been read and understood.• Pressurised container: do not pierce or burn, even after use.• Do not use if spray button is missing or defective.• Do not spray on a naked flame or any other incandescent material.• Do not smoke while using or until sprayed surface is thoroughly dry.• Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition.• All equipment used when handling the product must be grounded.• Do not re-use empty containers.• Do not breathe gas.• Do not get in eyes, on skin, or on clothing.• Avoid prolonged exposure.• When using, do not eat, drink or smoke.• Use only in well-ventilated areas.• Should be handled in closed systems, if possible.• Wear appropriate personal protective equipment.• Wash hands thoroughly after handling.• Observe good industrial hygiene practices.
Conditions for safe storage	<ul style="list-style-type: none">• Store locked up.• Pressurised container.• Protect from sunlight and do not expose to temperatures exceeding 50°C.• Do not puncture, incinerate or crush.• Do not handle or store near an open flame, heat or other sources of ignition.• This material can accumulate static charge which may cause spark and become an ignition source.• Store in a well-ventilated place.• Refrigeration recommended.• Store away from incompatible materials (see Section 10 of this SDS).
Precautions for safe handling	–
Other information	Level 1 Aerosol

**BWBS – BUMPER STRIPPER AERO****Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Workplace exposure standards	TWA (time-weighted average)		STEL (short-term exposure limits)		Notes
	mg/m ³	ppm	mg/m ³	ppm	
Methylene chloride	–	25	–	125	–
Anhydrous ammonia	18	25	27	35	–
Isobutane	1900	800	–	1000	–
Isopropyl alcohol	980	400	1225	500	–
Mineral spirits	350	100	–	–	–
Monoethanolamine	8	3	15	6	–
Propane	1800	1000	–	–	–
Appropriate engineering controls	Good general ventilation (typically air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.				
Eye and face protection	<ul style="list-style-type: none"> Wear safety glasses with side shields (or goggles). 				
Skin protection	<ul style="list-style-type: none"> Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Wear appropriate thermal protective clothing, when necessary. 				
Respiratory protection	<ul style="list-style-type: none"> If permissible levels are exceeded use NIOSH mechanical filter/organic vapour cartridge or an air-supplied respirator. 				
General hygiene considerations	<ul style="list-style-type: none"> When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. 				

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/physical state	Aerosol. Compressed gas.	Specific gravity	0.216 estimated
Odour	–	Solubility	–
Odour threshold	–	Partition coefficient: n-octanol/water	–
pH	–	Auto-ignition temperature	540.28°C estimated
Melting point/freezing point	–	Decomposition temperature	–
Boiling point/boiling range	-42.1°C estimated	Viscosity	–
Flash point	-73°C propellant estimated	Specific heat value	–
Evaporation rate	–	Particle size	–
Flammability	–	Volatile organic compounds content	–
Upper/lower flammability limits	10.8 – 18.2 % estimated	% volatile (by volume)	–
Vapour pressure	2686.37 psig @ 21.11°C	Saturated vapour concentration	–
Vapour density (air = 1)	–	Release of invisible flammable vapours and gases	–

Section 10: STABILITY AND REACTIVITY

Reactivity	This product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation will not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidising agents. Nitrates. Isocyanates. Fluorine. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

**BWBS – BUMPER STRIPPER AERO****Section 11: TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Ingestion	Expected to be a low ingestion hazard.
Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.
Eye contact	Causes serious eye irritation.

Ingredient name	Toxicity LD50	Irritation LC50
Anhydrous ammonia	LD50 (oral, rat): 350 mg/kg	LC50 (inhalation, mouse): 4230 ppm, if <1L LC50 (inhalation, rat): 7939 mg/m ³ if <1L
Isobutane	–	LC50 (inhalation, mouse): 1237 mg/L, 120mins LC50 (inhalation, rat): 1355 mg/L
Isopropyl alcohol	LD50 (dermal, rabbit): 16.4 mg/kg, 24hrs LD50 (oral, rat): 5.84 g/kg	LC50 (inhalation, rat): >10000 ppm, 6hrs
Methylene chloride	LD50 (dermal, rat): >2000 mg/kg, days	LC50 (inhalation, mouse): 49 mg/L, 7hrs
Monoethanolamine	LD50 (dermal, rabbit): 2504 mg/kg, 24hrs LD50 (oral, rat): 1089 mg/kg	LC50 (inhalation, rat): >1.3 mg/L, 6hrs
Propane	–	LC50 (inhalation, mouse): 1237 mg/L, 120mins LC50 (inhalation, rat): 1355 mg/L LC50 (inhalation, rat): 658 mg/L, 4hrs

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	This product is not expected to cause skin sensitisation.
Carcinogenicity	May cause cancer. IARC: Methylene chloride – 2B possibly carcinogenic to humans.
Germ cell mutagenicity	May cause genetic defects.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
STOT – single exposure	–
STOT – repeated exposure	Respiratory system. Skin. Kidneys. Central nervous system. Eyes. Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not likely, due to the form of the product.
Chronic effects	Prolonged inhalation may be harmful. May be harmful if absorbed through skin. Prolonged exposure may cause chronic effects. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans. Causes damage to organs through prolonged or repeated exposure.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.	
Components	Species	Test results
Anhydrous ammonia	Fish LC50 (<i>Oncorhynchus tshawytscha</i>)	0.43 – 0.47 mg/L, 96hrs
Isopropyl alcohol	Algae IC50 (Algae) Crustacea EC50 (Daphnia) Fish LC50 (<i>Lepomis macrochirus</i>)	1000.0001 mg/L, 72hrs 13299 mg/L, 48hrs >1400 mg/L, 96hrs
Methylene chloride	Algae IC50 (Algae) Crustacea EC50 (Daphnia) Crustacea EC50 (<i>Daphnia magna</i>) Fish LC50 (<i>Pimephales promelas</i>)	500.0001 mg/L, 72hrs 1689.5 mg/L, 48hrs 1250 mg/L, 48hrs 140.8 – 277.8 mg/L, 96hrs



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Section 12: ECOLOGICAL INFORMATION (continued)

Monoethanolamine	Algae IC50 (Algae) Crustacea EC50 (Daphnia) Fish LC50 (<i>Oncorhynchus mykiss</i>)	15 mg/L, 72hrs 65 mg/L, 48hrs 114 – 196 mg/L, 96hrs
Persistence and degradability	Partition coefficient n-octanol / water (log Kow)	
	Isobutane	2.76
	Isopropyl alcohol	0.05
	Methylene chloride	1.25
	Mineral spirits	3.16 – 7.15
	Monoethanolamine	-1.31
	Propane	2.36
Bioaccumulative potential	–	
Mobility in soil	–	
Other adverse effects	–	

Section 13: DISPOSAL CONSIDERATIONS

Disposal methods	Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.
Disposal of contaminated packaging	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal methods). Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.
Environmental regulations	–

Section 14: TRANSPORT INFORMATION

Labels required		HAZCHEM code			
					
Regulation	UN number	Proper shipping name	DG Class	Packing Group	Notes
ADG (road)	1950	Aerosols, flammable (each not exceeding 1L capacity)	2.1	-	Special provisions: N82 Packaging exceptions: 306
ADR (rail)	1950	Aerosols, flammable	2.1	-	
IMDG (sea)	1950	Aerosols, flammable	2.1	-	EmS Number: F-D, S-U Packaging exceptions: LTD QTY
IATA (air)	1950	Aerosols, flammable	2.1	-	ERG Code: 10L Environmental hazard: No Packaging exceptions: LTD QTY

Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product	
AICS (Australian Inventory of Chemical Substances)	Not on inventory.
Poisons schedule number	–

**BWBS – BUMPER STRIPPER AERO****Section 16: OTHER INFORMATION**

Date of SDS preparation	01/10/2019	This SDS is valid for 5 years from the date of preparation
Key abbreviations or acronyms used	CAS STEL TWA	Chemical Abstracts Service Short-term exposure limits Time-weighted average
Notice to reader	<p>All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date prepared (above). No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.</p> <p>The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.</p> <p>It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The GPI Group and GPI Automotive Products shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of this product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected by the hazards described in this sheet and of any precautions that should be taken.</p>	

END OF SDS