BWACA – ANTI CORRISION AEROSOL 350G

Section 1: PRODUCT IDENTFICATION

Product Name	Amber Anti-Corrosion Sealer Aerosol 350g	**Other names**	SACM
GPI Product code/s	BWACA	**Recommended use/s**	Coating.
Manufacturer	Dominion Sure Seal Ltd. 6175 Danville Road Mississauga Ontario L5T 2H7 Canada Phone: +1 (905) 670 5411 Fax: +1 (905) 670 5174 www.dominionsureseal.com	**Importer/Supplier**	GPI Automotive Products Pty. Ltd. 275 Wellington Road Mulgrave VIC 3150 Australia Phone: +61 3 8541 7500 Fax: +61 3 9562 0789 www.gpi.com.au
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 Safe Work Australia and the ADG Code.
Label elements			
Signal word	**DANGER**		
GHS Classification	Flammable aerosols Category 1 Germ cell mutagenicity Category 1B Carcinogenicity, Category 1A Specific Target Organ Toxicity – Repeated exposure, Category 1 Aspiration hazard Category 1		
Hazard statements	H222: Extremely flammable aerosol. H304: May be fatal if swallowed and enters airways. H340: May cause genetic defects. 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/sparks/open flames/hot surfaces – no smoking. P211: Do not spray on an open flame or other ignition source. P251: Pressurised container: Do not pierce or burn, even after use. P260: Do not breathe mist or vapour. P264: Wash thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves, protective clothing and eye protection. P301+P310: IF SWALLOWED: Immediately call a poison centre/doctor. P308+P313: IF exposed or concerned: Get medical advice/attention. P331: Wear protective gloves/protective clothing/eye protection/face protection. 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 applicable local, regional and/or national regulations.		

Section 3: CHEMICAL COMPOSITION

Ingredient name	Synonym/s	CAS number	Proportion (% weight)
Mineral spirits	–	8052-41-3	20 – 40
Propane	–	74-98-6	10 – 20
Solvent naphtha (petroleum), medium aliphatic	–	64742-88-7	10 – 20
Isobutane	–	75-28-5	2.5 – 10
Isobutylen-/buten-copolymer	–	9003-29-6	2.5 – 10
Methanol	–	67-56-1	1 – 2.5
Crystalline silica	–	14808-60-7	0.1 – 1
Other components below reportable levels			10 – 20

Section 4: FIRST AID MEASURES

Route of exposure	Symptoms caused by exposure	Description of necessary first aid measures
Eye contact	Irritation of eyes and mucous membranes.	Rinse with water. Get medical attention if irritation develops and persists.
Skin contact	Substance does not generally irritate and is only mildly irritating to the skin which may result in skin irritation and dermatitis.	Wash off with soap and water. Get medical attention if irritation develops and persists.
Inhalation	Dizziness. Irritation of nose and throat. Aspiration may cause pulmonary oedema and pneumonitis.	If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.
Ingestion	–	Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content content doesn't get into the lungs.
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	Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO_2).
Unsuitable	Do not use water jet as an extinguisher, as this will spread the fire.
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. 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 the fire burn out. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
Fire/explosion hazard	Extremely flammable aerosol.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	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 mist or vapour. 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	Refer to SDS 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. Use water spray to reduce vapours or divert vapour cloud drift. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Section 7: HANDLING AND STORAGE

Precautions for safe handling	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 mist or vapour. 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	Level 3 Aerosol. Store locked up. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50C. 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. Refrigeration recommended. Store away from incompatible materials (see Section 10).
Storage incompatibilities	–
Other information	–

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**	
Crystalline silica	0.025	–	–	–	–
Isobutane	–	–	–	1000	–
Methanol	–	200	–	250	–
Mineral spirits	–	100	–	–	–
Propane	1800	1000	–	–	–

Appropriate engineering controls	General good ventilation (typically 10 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 and face protection	Chemical respirator with organic vapour cartridge and full facepiece.
Skin protection	Wear appropriate checmial resistant gloves. Use of an impervious apron is recommended.
Respiratory protection	Chemical respirator with organic vapour cartridge and full facepiece.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	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	**Specific gravity**	0.565 estimated
Odour	–	**Solubility**	–
Odour threshold	–	**Partition coefficient: n-octanol/water**	–
pH	–	**Auto-ignition temperature**	190°C estimated
Melting point/freezing point	–	**Decomposition temperature**	–
Boiling point/boiling range	150°C estimated	**Viscosity**	–
Flash point	-104°C Propellant estimated	**Specific heat value**	–
Evaporation rate (n-butyl acetate = 1)	–	**Particle size**	–
Flammability	–	**VOC content**	–
Upper/lower flammability limits	Lower: 0.4% estimated Upper: 9.5% estimated	**% volatile**	–
Vapour pressure	–	**Saturated vapour concentration**	–
Vapour density (air = 1)	> 1	**Heat of combustion**	35.43 kJ/g estimated

Section 10: STABILITY AND REACTIVITY

Reactive hazard	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Avoid temperatures exceeding the flash point.
Incompatible materials and possible hazardous reactions	Strong oxidising agents. Nitrates. Fluorine. Chlorine. Hazardous polymerisation will not occur.
Hazardous decomposition products	No hazardous decomposition products known.

Section 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with the eyes may cause temporary irritation.

Ingredient	**Oral LD50**	**Dermal LD50**	**Inhalation LC50**
Isobutane	–	–	1237 mg/L/120mins (mouse) 1355 mg/L (rat)
Isobutylen-/buten-coploymer	–	> 2000 mg/kg/24hrs (rat)	> 19171 mg/m3 (rat) > 4185 ppm (rat) > 3.8 mg/L/7hrs (rat)
Methanol	6000 mg/kg (monkey) 1187 – 2769 mg/kg (rat)	–	85.41 mg/L/4.5hrs (cat) 43.68 mg/L/6hrs (cat) 79.43 mg/L/134mins (mouse) > 115.9 mg/L/4hrs (rat) 82.1 mg/L/6hrs (rat)
Propane	–	–	1237 mg/L/120mins (mouse) 1355 mg/L (rat)
Solvent naphtha (petroleum), medium aliphatic	> 5000 mg/kg (rat)	> 2000 mg/kg/24hrs (rabbit)	> 6.4 mg/L/6hrs (cat) > 7.5 mg/L/6hrs (rat)

Acute toxicity	May be fatal if swallowed and enters airways.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Respiratory or skin sensitisation	This product is not expected to cause skin sensitisation.
Germ cell mutagenicity	May cause genetic defects.
Carcinogenicity	May cause cancer.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
STOT – single exposure	–
STOT – repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Prolonged exposure may cause chronic effects. 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 include the possibility that large or frequent spills can have a harmful or damaging effect on the environment.		
	Endpoint	**Species**	**Test results**
Methanol	Crustacea EC50 Fish LC50	*Daphnia magna* *Pimephales promelas*	> 10000 mg/L/48hrs > 100 mg/L/96hrs
Solvent naphtha (petroleum), medium aliphatic	Crustacea EC50	*Daphnia magna*	100.0001 mg/L/48hrs

Section 12: ECOLOGICAL INFORMATION (continued)

Persistence and degradability	–
Bioaccumulative potential	**Partition coefficient n-octanol/water (logKow):** Isobutane: 2.76 Methanol: -0.77 Mineral spirits: 3.16 – 7.15 Propane: 2.36
Mobility in soil	–
Other adverse effects	–

Section 13: DISPOSAL CONSIDERATIONS

Disposal methods	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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	–
Environmental regulations	–

Section 14: TRANSPORT INFORMATION

Labels required

HAZCHEM code **3Y**

Regulation	UN number	Proper shipping name	DG Class	Packing Group	Notes
ADG (road)	1950	Aerosols, flammable	2.1	–	Special provisions: N82 Packaging exceptions: 306
ADR (rail)	1950	Aerosols, flammable	2.1	–	
IMDG (sea)	1950	Aerosols, flammable	2.1	–	EMS: F-D, S-U Marine pollutant: Yes
IATA (air)	1950	Aerosols, flammable	2.1	–	ERG Code: 10L

Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product	
AICS (Australian Inventory of Chemical Substances)	All components of this product are listed or exempt.
Poisons schedule number	–

Section 16: OTHER INFORMATION

Date of SDS preparation	01/09/2019	This SDS is valid for 5 years from the date of preparation
Notice to reader	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. 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. 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.	

END OF SDS