

**BWSCW – BW COPPER WELD THRU COAT.410G****Section 1: PRODUCT IDENTIFICATION**

Product Name	Copper Weld-thru Primer Aerosol 410g	Other names	SCW
GPI Product code/s	BWSCW	Recommended use/s	Coating.
Manufacturer	Dominion Sure Seal Ltd. 6175 Danville Road Mississauga, Ontario Canada L5T 2H7 Phone: (905) 670 5411 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 the Model WHS Regulations and the ADG Code.
Label elements			
Signal word	DANGER		
Hazard statements	–		
Precautionary statements	–		

Section 3: CHEMICAL COMPOSITION

Ingredient name	Synonym/s	CAS number	Proportion (% weight)
Acetone	–	67-64-1	15 – 40
Toluene	–	108-88-3	7 – 13
Methyl ethyl ketone	–	78-93-3	7 – 13
Copper, elemental	–	7440-50-8	5 – 10
Butyl benzyl phthalate	–	85-68-7	1 – 5
Xylene	–	1330-20-7	1 – 5
Ethylbenzene	–	100-41-4	0.1 – 1
Isobutane	–	75-28-5	7 – 13
Propane	–	74-98-6	10 – 30

Section 4: FIRST AID MEASURES

Route of exposure	Symptoms caused by exposure	Description of necessary first aid measures
Eye contact	–	Flush immediately with plenty of water for at least 15 minutes and get medical attention.
Skin contact	–	Wash thoroughly with soap and water.
Inhalation	–	Remove to fresh air.
Ingestion	–	Do not induce vomiting, get medical attention.
Medical attention and special treatment	–	

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media	Water, carbon dioxide, dry chemical, foam.
Special protective equipment and precautions for fire fighters	Water from fogging nozzles may be used to cool closed containers to prevent build-up if exposed to extreme temperatures. Full protective equipment including self contained breathing apparatus should be worn in a fire involving this material.

**BWSCW – BW COPPER WELD THRU COAT.410G****Section 5: FIRE FIGHTING MEASURES (continued)**

Specific hazards arising from the chemical	Hazardous combustion products: hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.
Fire/explosion hazard	Aerosol flame projection classified as: >45cm.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Remove all sources of ignition.
Environmental precautions	Prevent from entering a watercourse.
Methods and materials for containment and cleaning up	Use an inert absorbent material, and non-sparking tools. Ventilate area.

Section 7: HANDLING AND STORAGE

Precautions for safe handling	Store in a cool, well ventilated area not to exceed 50°C.
Conditions for safe storage	Keep away from heat, sparks and open flames.
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	
Acetone	–	750	–	–	–
Toluene	–	50	–	–	–
Methyl ethyl ketone	–	200	–	–	–
Copper, elemental	1	–	–	–	–
Xylene	–	100	–	–	–
Ethylbenzene	–	100	–	–	–
Isobutane	–	1000	–	–	–
Propane	–	1000	–	–	–
Appropriate engineering controls	Ventilation – local (mechanical if used indoors on a continuous basis).				
Eye and face protection	Safety glasses.				
Skin protection	Wear chemical resistant gloves.				
Respiratory protection	If used indoors on a continuous basis, use of a cartridge type respirator is recommended.				
Hygiene measures	–				

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/physical state	Copper aerosol.	Relative density (water = 1)	Liquid: 0.90 – 0.94 g/cm ³ Aerosol: 0.75 – 0.79 g/cm ³
Odour	Characteristic.	Solubility	Negligible.
Odour threshold	–	Partition coefficient: n-octanol/water	–
pH	–	Auto-ignition temperature	465 – 527°C
Melting point/freezing point	–	Decomposition temperature	–
Boiling point/boiling range	57 – 143°C	Viscosity	–
Flash point	Lowest known value is -18°C	Specific heat value	–
Evaporation rate (n-butyl acetate = 1)	Greater than 1.	Particle size	–
Flammability	Extremely flammable.	Volatile organic compounds content	–
Upper/lower flammability limits	Upper: 12.8% Lower: 1.0%	% volatile	80 – 81% w/w
Vapour pressure	65 – 75 psig @ 20°C	Saturated vapour concentration	–

**BWSCW – BW COPPER WELD THRU COAT.410G****Section 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

Vapour density (air = 1)	Greater than 1.	Release of invisible flammable vapours and gases	–
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Section 10: STABILITY AND REACTIVITY

Reactivity	–
Chemical stability	Stable under normal conditions.
Conditions to avoid	Incompatible materials.
Incompatible materials and possible hazardous reactions	Strong oxidising agents. Hazardous polymerisation will not occur.
Hazardous decomposition products	Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.

Section 11: TOXICOLOGICAL INFORMATION

Ingredient	Toxicity	Irritation
Acetone	Oral (rat) LD50: >9750 mg/kg	Inhalation (rat) LC50: >16000 ppm/4hr
Toluene	Oral (rat) LD50: 5000 mg/kg	Inhalation (rat) LC50: 8000 ppm/4hr
Methyl ethyl ketone	Oral (rat) LD50: 3400 mg/kg	Inhalation (rat) LC50: 8000 ppm/8hr
Xylene	Oral (rat) LD50: 4.3 g/kg	Inhalation (rat) LC50: 6350 ppm/4hr
Ethylbenzene	Oral (rat) LD50: 5460 mg/kg	–
Isobutane	–	Inhalation (rat) LC50: 142500 ppm/4hr
Propane	Oral (rat) LD50: >5000 mg/kg	–

Chronic health effects from exposure	–
Reprotoxicity	Toluene – prolonged and repeated exposure of pregnant animals to toluene (levels greater than approximately 1500 ppm) has been reported to cause adverse fetal developmental effects. Xylene – high exposures to xylene in some animal studies, often at levels toxic to the mother, affected embryo/fetal development. The significance of this finding to humans is not known.
Carcinogenicity	Ethyl benzene – designated as IARC Group 2B carcinogen (possibly carcinogenic to humans). Xylene – this product contains ethylbenzene (ethylbenzene is in xylene). Ethylbenzene has been shown to cause cancer in laboratory animals. Toxicity tests carried out for chronic effects and mutagenicity have been negative. The relevance of this finding to humans is uncertain. IARC has classified ethylbenzene as a possible human carcinogen.
Teratogenicity	No information is available and no adverse teratogenic effects are anticipated.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	–
Persistence and degradability	–
Bioaccumulative potential	–
Mobility in soil	–
Other adverse effects	–

Section 13: DISPOSAL CONSIDERATIONS

Disposal methods	Dispose of in accordance with local, provincial and federal regulations.
Disposal of contaminated packaging	Do not puncture or incinerate containers, even when empty.
Environmental regulations	–

Section 14: TRANSPORT INFORMATION

Labels required	–	HAZCHEM code	–		
Regulation	UN number	Proper shipping name	DG Class	Packing Group	Notes
ADG (road)	–	–	–	–	
ADR (rail)	–	–	–	–	
IMDG (sea)	–	–	–	–	
IATA (air)	–	–	–	–	



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Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product

Australian Inventory of Chemical Substances All ingredients are listed or exempted.

Poisons schedule number –

Section 16: OTHER INFORMATION

Date of SDS preparation 01/03/2019 This SDS is valid for 5 years from the date of preparation

Key abbreviations or acronyms used	CAS	Chemical Abstracts Service.
	DG	Dangerous Goods.
	LC50	The lethal concentration required to kill 50 percent of a population of test animals.
	LD50	The amount of a toxic agent (as a poison, virus, or radiation) that is sufficient to kill 50 percent of a population of test animals usually within a certain time – also called the median lethal dose.
	STEL	Short-term exposure limits.
	TWA	Time-weighted average.

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.

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END OF SDS