METAL PRIMER S2207 – MATERIAL SAFETY DATA SHEET

Date prepared	15/12/2016	**Reasons for issue**	Review
Date last reviewed	04/05/2021 ☐ Not reviewed	**Next review**	04/05/2026
Manufacture/Importer Details			
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SECTION 1: PRODUCT IDENTIFICATION

Product Name: **Elastotec Metal Primer S2207**

Adhesive Other Means of Identification: Mixture

Other Names: S2207 primer

Recommended Use of the Chemical and Restriction on Use: Primer

SECTION 2: HAZARDS IDENTIFICATION

Hazardous Nature: Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).

Flam. Liq. 2	**H225**	Highly flammable liquid and vapour.

Repr. 1	**H360**	Might damage fertility or the unborn child.
STOT RE 2	**H373**	May cause damage to organs through prolonged or repeated exposure.

Skin Irrit. 2	**H315**	Causes skin irritation.
Eye Irrit. 2A	**H319**	Causes serious eye irritation.
STOT SE 3	**H336**	May cause drowsiness or dizziness.

Signal Word: Danger

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Hazard Statements	
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H360	Might damage fertility or the unborn child.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
Precautionary Statements	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P240	Ground/bond container and receiving equipment.
P242	Use only non-sparking tools.
P273	Avoid release to the environment.
P243	Take precautionary measures against static discharge.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P308 + P313	If exposed or concerned: Get medical advice/attention.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P370 + P378	In case of fire: Use for extinction: CO_2, powder or water spray.
P391	Collect spillage.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: MIxtures

Description: Mixture of substances listed below with nonhazardous additions.

Product consists of a blend of solvents including those listed below:

Chemical Name	Cas No.	Proportion (w/w)
Toluene	108-88-3	70–95%

SECTION 4: FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact: In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact: In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms persist.

Ingestion: If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation. May cause drowsiness or dizziness, headache, shortness of breath, nausea and fatigue. Higher concentrations may cause Central Nervous System (CNS) depression, incoordination and impaired judgement.

Skin Contact: Causes skin irritation. May cause redness or rash.

Eye Contact: Causes serious eye irritation. May cause stinging, tearing, redness and swelling.

Ingestion: May cause gastrointestinal irritation, abdominal pain, nausea, vomiting and diarrhoea. May cause CNS depression, dizziness, drowsiness, headache, confusion, muscular weakness and unconsciousness. May be fatal if swallowed and enters airways.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Foam, dry chemical or carbon dioxide. Do not use water jet.

Specific Hazards Arising from the Chemical: Hazardous combustion products include oxides of carbon, oxides of magnesium, hydrogen chloride, chloroprene formaldehyde and phenolic derivatives.

Product is highly flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment & Precautions for Fire Fighters: When fighting a major fire wear self-contained breathing apparatus and protective equipment.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions: In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up: Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Do not use combustible materials such as sawdust. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage: Store in a cool, dry and well ventilated area. Do not use or store in confined spaces. Keep container tightly closed when not in use. Protect from heat, sparks, open flames, hot surfaces and direct sunlight. Protect containers from physical damage. Keep away from strong oxidising agents. Do not pressurise, heat, weld, cut or drill on full or empty containers. Handling equipment must be grounded to prevent sparking.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:

	NES
108-88-3 Benzene, methyl-	STEL: 574 mg/m³, 150 ppm TWA: 191 mg/m³, 50 ppm Sk

Engineering Controls: Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Respiratory Protection: Use an approved organic vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection: Impervious gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection: Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance – Form:	Liquid
Appearance – Colour:	Clear
Odour:	Typical hydrocarbon odour.
Odour Threshold:	No information available.
pH-Value:	Not applicable.
Melting Point/ Melting Range:	No information available.
Initial Boiling Point/ Boiling Range:	> 50°C
Flash Point	< -20°C (Closed Cup)
Flammability:	Highly flammable.
Auto-ignition Temperature:	No information available.
Decomposition Temperature:	No information available.
Explosion Limits – Lower:	No information available.
Explosion Limits – Upper:	No information available.
Vapour Pressure:	No information available.
Relative Density:	~0.87
Vapour Density:	No information available.
Evaporation Rate:	No information available.
Solubility in Water:	Insoluble

SECTION 10: STABILITY AND REACTIVITY

Possibility of Hazardous Reactions:	Hazardous polymerisation will not occur. Possible hazardous reaction with strong oxidising agents.
Chemical Stability:	Stable at ambient temperature and under normal conditions of use.
Conditions to Avoid:	Heat, sparks, open flames, hot surfaces and direct sunlight.
Incompatible Materials:	Strong oxidising agents.
Hazardous Decomposition Products:	Oxides of carbon, oxides of magnesium, hydrogen chloride, chloroprene formaldehyde and phenolic derivatives.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity:

LD_{50}/LC_{50} Values Relevant for Classification

108-88-3 Benzene, methyl-

Oral	LD_{50}	5000mg/kg (rat)
Dermal	LD_{50}	12124mg/kg (rabbit)
Inhalation	LC_{50}/4h	5320mg/l (mouse)

Acute Health Effects	
Inhalation:	May cause respiratory irritation. May cause drowsiness or dizziness, headache, shortness of breath, nausea and fatigue. Higher concentrations may cause Central Nervous System (CNS) depression, incoordination and impaired judgement.
Skin:	Causes skin irritation. May cause redness or rash.
Eye:	Causes serious eye irritation. May cause stinging, tearing, redness and swelling.
Ingestion:	May cause gastrointestinal irritation, abdominal pain, nausea, vomiting and diarrhoea. May cause CNS depression, dizziness, drowsiness, headache, confusion, muscular weakness and unconsciousness. May be fatal if swallowed and enters airways.
Skin Corrosion/Irritation:	Causes skin irritation.
Serious Eye Damage/ Irritation:	Causes serious eye irritation.
Respiratory or Skin Sensitisation:	Based on classification principles, the classification criteria are not met.
Germ Cell Mutagenicity:	Based on classification principles, the classification criteria are not met.
Carcinogenicity:	Toluene is classified by IARC as Group 3 – Not classifiable as to its carcinogenicity to humans.
Reproductive Toxicity:	Suspected of damaging fertility or the unborn child. Benzene, methyl is classified by Safe Work Australia as Toxic to Reproduction Category 1. n-Hexane is classified by Safe Work Australia as Toxic to Reproduction Category 3.
Specific Target Organ Toxicity (STOT) – Single Exposure:	May cause drowsiness and dizziness.
Specific Target Organ Toxicity (STOT) – Repeated Exposure:	May cause damage to organs through prolonged or repeated exposure.
Aspiration Hazard:	May be fatal if swallowed and enters airways.
Chronic Health Effects:	Repeated and prolonged occupational overexposure may cause CNS depression leading to unconsciousness and death. Prolonged skin contact may cause skin dryness or cracking and dermatitis. May cause damage to liver and kidneys.
Existing Conditions Aggravated by Exposure:	Exposure may aggravate existing dermatitis and skin sensitivity.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Toxicity:	Toxic to aquatic life with long lasting effects.
Persistence and Degradability:	No information available.
Bioaccumulative Potential:	No information available.
Mobility in Soil:	No information available.
Other adverse effects:	No information available.

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SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods and Containers:	Dispose according to applicable local and state government regulations.
Special Precautions for Landfill or Incineration:	Please consult your state Land Waste Management Authority for more information.

SECTION 14: TRANSPORT INFORMATION

UN Number ADG, IMDG, IATA:	UN1133
Proper Shipping Name ADG, IMDG, IATA:	ADHESIVES containing flammable liquid.
Dangerous Goods Class ADG Class:	3 Flammable liquids.
Packing Group ADG, IMDG, IATA:	II
Marine Pollutant:	Yes Symbol (fish and tree)
EMS Number:	F-E,S-D
Hazchem Code:	.3YE
Limited Quantities:	5L
Packagings & IBCs – Packing Instruction:	P001, IBC02
Packagings & IBCs – Special Packing Provisions:	PP1
Portable Tanks & Bulk Containers – Instructions:	T4
Portable Tanks & Bulk Containers – Special Provisions:	TP1, TP8

SECTION 15: REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

108-88-3	Benzene, methyl-

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) – Poison Schedule:

Poisons Schedule:	5

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SECTION 16: OTHER INFORMATION

Abbreviations and Acronyms

ADG	Australian Dangerous Goods
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
CAS	Chemical Abstracts Service (division of the American Chemical Society)
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
IARC	International Agency for Research on Cancer
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
NES	National Exposure Standard (Safe Work Australia – Workplace Exposure Standards For Airborne Contaminants)
Flam. Liq. 2	Flammable liquids, Hazard Category 2
Skin Irrit. 2	Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Hazard Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Hazard Category 2A
Repr. 2	Reproductive toxicity, Hazard Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Hazard Category 3
STOT RE 2	Specific target organ toxicity – Repeated exposure, Hazard Category 2
Asp. Tox. 1	Aspiration hazard, Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment, short-term (Acute). Category 2
Aquatic Chronic 2	Hazardous to the aquatic environment, long-term (Chronic). Category 2

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals – December 2011”.

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