



SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Metal Mate 1340 QD Primer	
Synonyms		Product code
Metal Mate 1340 QD Primer - Dark Grey, 4L		SPEP - 4
Metal Mate 1340 QD Primer - Dark Grey, 20L		SPEP - 20
Metal Mate 1340 QD Primer - Red Oxide, 4L		SPEP - 4
Metal Mate 1340 QD Primer - Red Oxide, 20L		SPEP - 20

Relevant identified uses of the substance or mixture and uses advised against.

Identified uses Q.D. Zinc Phosphate Primer for metal protection.

Supplier detail

Company Name	BG Coatings)Pty) Ltd.
Address	U4/34 Truganina Road. Malaga, Perth. Western Australia. 6090
Emergency Telephone	+61 (0) 0413-422-489
Facsimile	
National Contact	Mr A Schule

SECTION 2. HAZARD IDENTIFICATION

Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Classification of the substance or mixture

- Flammable liquids - Category 3
- Aspiration hazard - Category 1
- Toxic to reproduction - Category 1A
- Specific target organ toxicity (repeated exposure) - Category 2
- Skin corrosion/ irritation - Category 2
- Chronic Aquatic toxicity - Category 3
- Specific target organ toxicity (single exposure) - Category 3

Pictograms



Signal word Danger

Hazard Statements	AUH066	Repeated exposure may cause skin dryness or cracking.
	H226	- Flammable liquid and vapour.
	H304	- May be fatal if swallowed and enters airways.
	H315	- Causes skin irritation.
	H336	- May cause drowsiness or dizziness.
	H360	- May cause damage fertility or the unborn child.
	H373	- May cause damage to organs through prolonged or repeated exposure.
	H412	- Harmful to aquatic life with long lasting effects.

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Precautionary Statements

General	P101 - If medical advice is needed, have product container or label at hand.
	P102 - Keep out of reach of children.
	P103 - Read label before use.
Preventative	P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P233 - Keep container tightly closed.
	P241 - Use explosion-proof electrical/ventilating/lighting/.../equipment.
	P242 - Use only non-sparking tools.
	P243 - Take precautionary measures against static discharge.
	P264 - Wash hands thoroughly after handling.
	P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
	P270 - Do not eat, drink or smoke when using this product.
	P271 - Use only outdoors or in a well-ventilated area.
	P273 - Avoid release to the environment.
Response	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P281 - Use personal protective equipment as required.
	P301+ - IF SWALLOWED: Immediately call a POISON CENTER, doctor, or physician.
	P310
	P302 + - IF ON SKIN: wash with plenty of soap and water.
	P352
	P314 - Get medical advice/attention if you feel unwell.
	P303 + - IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
	P361 +
	P353
	P304 + - IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
	P340
	P331 - Do NOT induce vomiting.
	P332 + - IF SKIN irritation occurs: Get medical advice/attention.
	P313
	P362 - Take off contaminated clothing and wash before reuse.
	P370 + - In case of fire: Use foam/ water spray/ fog for extinction.
	P378
	P391 - Collect spillage. Hazardous to the aquatic environment.
Storage	P403 + - Store in a well-ventilated place. Keep cool.
	P235
	P405 - Store locked up.
Disposal	P501 - Dispose of contents/containers in accordance with local regulation.

Other hazards which do not Result in classification: None identified.

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SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

CAS number/other identifiers

Chemical entity	CAS number	% (weight)
Naphtha, petroleum, hydrodesulfurized heavy	64742-82-1	≥15 - <20
Toluene	108-88-3	≥15 - <20
Ethyl Methyl Ketoxime	96-29-7	<1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.

SECTION 4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation persists.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	Remove contaminated clothing and shoes. Wash contaminated skin with soap or a recognised skin cleaner and plenty of water. Continue to rinse for at least 10 minutes. Avoid the use of solvents. Get medical attention if symptoms persist. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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Most important symptoms/ effects, acute and delayed

Potential acute health effects

Eye contact	Causes serious eye irritation.
Inhalation	Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.
Skin contact	Harmful in contact with skin. Causes skin irritation.
Ingestion	Harmful if swallowed. May be fatal if swallowed and enters airways.

Over-exposure signs/symptoms

Eye contact	Adverse symptoms may include pain or irritation, watering or redness.
Inhalation	Adverse symptoms may include nausea or vomiting, headache, respiratory irritation, drowsiness/fatigue or dizziness/vertigo.
Skin contact	Adverse symptoms may include irritation or redness.
Ingestion	May be fatal if swallowed and enters airways.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	No specific treatment.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire such as dry powder, CO ₂ , water spray (fog) or foam. Use fog to cool and control.
Unsuitable extinguishing media	Do not use water jet.

Specific hazards arising from the chemical

Flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

Decomposition products may include the following materials:

Carbon dioxide
Carbon monoxide
Metal oxide/oxides

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Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

- For emergency responders If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and materials for containment and cleaning up

- Small spill Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

- Large spill Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed

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waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

Note: see section 1 for emergency contact information and section 13 for waste disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges.

Conditions for safe storage, Including any Incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Do not reuse container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits.

Ingredient	Material name	TWA	STEL
Naphtha, petroleum, hydrodesulfurized heavy	White spirit	350 mg/m ³	N/A
Toluene	Toluene	191 mg/m ³	574 mg/m ³

Recommended monitoring Procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Avoid direct contact. Never touch eyes with dirty hands or gloves. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Hand protection:

Avoid direct contact. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection:

Avoid direct contact. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Viscous liquid.
Colour:	Dark Grey, Red Oxide.
Odour:	Characteristic aliphatic , aromatic solvent odour.
Solubility in water:	Immiscible.
Specific Gravity:	1,280 – 1.360 kg/lit.
Relative Vapour Density (air=1):	>1
Vapour Pressure (20 °C):	Not available.
Flash Point	4°C
Lower and upper explosive (flammable) limits:	Not available.
Auto ignition Temperature (°C):	Not available.
Volatile component (% vol)	62
Solubility in water (g/L):	Immiscible.
Melting Point/Freezing point (°C):	Not available.
Boiling Point/Range (°C):	Not available.

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Decomposition Point (°C):	Not available.
PH:	N/A
Viscosity (cSt):	Not available.
Evaporation Rate:	Not available.
VOC g/L:	486 g/l maximum.

SECTION 10. STABILITY AND REACTIVITY

Chemical stability:	The product is stable under normal conditions of use. Inert - no reaction with fire-fighting water.
Conditions to avoid:	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Containers, even those that have been emptied, may contain explosive vapours.
Incompatible materials:	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.
Hazardous decomposition products:	Combustion products include: carbon dioxide (CO ₂) and other pyrolysis products typical of burning organic material.
Hazardous reactions:	Avoid reaction with amines, mercaptans, strong acids and oxidising agents. Violent reactions which may lead to ignition and explosion may occur. If two part products are mixed or allowed to mix in proportions other than manufacturer's recommendation, polymerisation with gelation and evolution of heat (exotherm) may occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Substance	Result	Species	Dose	Exposure
Naphtha, petroleum, hydrodesulfurized heavy	LD50 Oral	Rat	>2000 mg/kg	-
	LD50 Dermal	Rabbit	>2000 mg/kg	-
Toluene	LD50 Oral	Rat	>2000 mg/kg	-
	LC50 Inhalation Gas	Rat	>20 mg/ltr	4 hours

Information on the likely routes of exposure: Inhalation, ingestion, skin and eye contact.

Potential acute health effects

Eye contact	: Causes serious eye irritation.
Skin contact	: Harmful in contact with skin. Causes skin irritation.
Inhalation	: Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.
Ingestion	: Harmful if swallowed. May cause burns to mouth, throat and stomach.

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Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact : Adverse symptoms may include pain or irritation, watering or redness.
- Skin contact : Adverse symptoms may include irritation or redness. Blistering may also occur.
- Inhalation : Adverse symptoms may include nausea or vomiting, headache, respiratory irritation, drowsiness/fatigue or dizziness/vertigo.
- Ingestion : May be fatal if swallowed and enters airways. May cause damage to organs through prolonged or repeated exposure.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Substance	Result	Species	Dose
Naphtha, petroleum, hydrodesulfurized heavy	Acute: LC50 2.6mg/L	Chaetogammarus marinus.	96 hours
Toluene	Acute: LC50 7.63 mg/L	Fish - Oncorhynchus mykiss.	96 hours
	Acute EC50 6.0 mg/L	Daphnia manga.	48 hours

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Ecotoxicity: Do not allow the product to contaminate waterways.

Wastes resulting from use of the product must be disposed of on site or at approved waste sites.

SECTION 13. DISPOSAL CONSIDERATIONS




Disposal methods : The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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SECTION 14. TRANSPORT INFORMATION

Designation	Land Transport (ADG)	Marine Transport (IMO/ IMDG)	Air Transport (IATA)
UN number	1263	1263	1263
UN proper shipping name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)		
Transport hazard class	3	3	3
Labels required			
Hazchem	•3YE	•3YE	•3YE
Packing group	II	II	II
Marine pollutant	No	No	No
Additional information	No data available.	Emergency schedules (EmS) F-E, S-E	No data available.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	No data available.	No data available.	No data available.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product.

Information compiled with reference to raw material safety data sheets.

SECTION 16. OTHER INFORMATION

History

Date of printing : 18 October 2019

Date of previous issue : Not applicable.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be only used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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