



PRE GOLD BATH XTRA

Infosafe No.: LQ900
ISSUED Date : 30/07/2018
ISSUED by: TWIN PLAZA METALS PTY LTD

1. IDENTIFICATION

GHS Product Identifier

PRE GOLD BATH XTRA

Company Name

TWIN PLAZA METALS PTY LTD

Address

Level 1, 155 Castlereagh Street Sydney
New South Wales 2000 Australia

Telephone/Fax Number

Tel: 02 9264 1667 (Mon-Fri; 9.00am - 4.45 pm)

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Emergency phone number

Poison Information Centre 13 11 26

E-mail Address

sales@twinplaza.com

Recommended use of the chemical and restrictions on use

Metal surface treatment products, including galvanic and electroplating products.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

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

Acute Toxicity - Dermal: Category 4

Acute Toxicity - Inhalation: Category 4

Acute Toxicity - Oral: Category 4

Carcinogenicity category 1B

Corrosive to Metals: Category 1

Hazardous to the Aquatic Environment - Acute Hazard: Category 3

Hazardous to the Aquatic Environment - Long-Term Hazard: Category 3

Signal Word (s)

DANGER

Hazard Statement (s)

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H350 May cause cancer by inhalation.

H412 Harmful to aquatic life with long lasting effects.

Pictogram (s)

Exclamation mark, Health hazard, Corrosion



Precautionary statement – Prevention

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P234 Keep only in original container.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash contaminated skin thoroughly after handling.
- 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.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330 Rinse mouth.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P363 Wash contaminated clothing before reuse.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P390 Absorb spillage to prevent material damage.

Precautionary statement – Storage

- P405 Store locked up.
- P406 Store in corrosive resistant/ container with a resistant inner liner.

Precautionary statement – Disposal

- P501 Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Sulfuric Acid	7664-93-9	0-<5 %
Potassium tetrakis(cyano-C)aurate	14263-59-3	0.3-<3 %
Sulfuric acid, cobalt(2+) salt (1:1)	10124-43-3	0-<0.1 %
Ingredients determined not to be hazardous.		Balance

4. FIRST-AID MEASURES

Inhalation

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

Skin

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

First Aid Facilities

Eyewash and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Other Information

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray. Foam. Carbon dioxide. Extinguishing powder.

Unsuitable Extinguishing Media

Do not use water jet.

Hazards from Combustion Products

Non combustible material.

Specific Hazards Arising From The Chemical

This product is non combustible. However heating can cause expansion or decomposition leading to violent rupture of containers.

Hazchem Code

2X

Decomposition Temperature

Not available

Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe dust. It is essential to wear self-contained breathing apparatus (S.C.B.A) and full personal protective equipment and clothing to prevent exposure. Avoid exposure to spillage by sweeping up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to suitable containers. Use absorbent paper dampened with water to pick up remaining material. Wash surfaces well with soap and water. Seal all wastes in labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Corrosive liquid. Attacks skin and eyes. Causes burns. Avoid breathing in vapours, mist or fumes. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Keep containers tightly closed. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

Avoid exposure. Do not handle until all safety precautions have been read and understood.

Conditions for safe storage, including any incompatibilities

Corrosive liquid. Store in a cool dry well-ventilated area. Store away from oxidising agents and bases/acids. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Provide a catch-tank in a bunded area. Store in original packages as approved by manufacturer. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS 3780 (2008) - The storage and handling of corrosive substances.

Corrosiveness

May be corrosive to metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Sulfuric acid

TWA: 1 mg/m³

STEL: 3 mg/m³

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Source: Safe Work, Australia.

Biological Limit Values

Name: Cobalt and inorganic compounds

Determinant: Cobalt in urine

Value: 15 ug/L

Sampling time: End of shift at end of workweek

Source: American Conference of Industrial Hygienists (ACGIH).

Appropriate Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715 (2009), Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716 (2012), Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 2 & 6 (2012) - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1 (2016): Occupational protective gloves - Selection, use and maintenance.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Liquid	Appearance	Red violet liquid
Colour	Red violet	Odour	Odourless
Decomposition Temperature	Not available	Melting Point	Not available
Boiling Point	98°C (approximately)	Solubility in Water	Unlimited
Specific Gravity	Not available	pH	1.6-2 (20°C)
Vapour Pressure	Not available	Vapour Density (Air=1)	Not available
Evaporation Rate	Not available	Odour Threshold	Not available
Viscosity	Not available	Partition Coefficient: n-octanol/water	Not available
Flash Point	Not applicable	Flammability	Non-combustible material.
Auto-Ignition Temperature	Not applicable	Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable		

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of handling and storage.

Reactivity and Stability

Reacts with incompatible materials.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Corrosive to metals.

Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes.

Possibility of hazardous reactions

Not available.

Hazardous Polymerization

Not available.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

No toxicity data available for this product. Data for ingredients is given below.

Acute Toxicity - Oral

Potassium tetrakis(cyano-C)aurate

LD50 (rat): 29 mg/kg

Sulfuric acid, cobalt(2+) salt (1:1)

ATE: 500 mg/kg

Acute Toxicity - Inhalation

Potassium tetrakis(cyano-C)aurate

ATE: 0.05 mg/l (vapour)

ATE: 0.005 mg/l (aerosol)

Acute Toxicity - Dermal

Potassium tetrakis(cyano-C)aurate
LD50(rabbit): 200-2000 mg/kg

Ingestion

Harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

Inhalation

Harmful if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.

Skin

Harmful in contact with skin. Product can be absorbed through skin with resultant harmful systemic effects.

Eye

May be irritating to eyes. The symptoms may include redness, itching and tearing.

Respiratory sensitisation

Not expected to be a respiratory sensitiser.

Skin Sensitisation

Not expected to be a skin sensitiser.

Germ cell mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

May cause cancer by inhalation.

Acid mists, strong inorganic is listed as a Group 1: Carcinogenic to humans according to International Agency for Research on Cancer (IARC).

Cobalt and cobalt compounds is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC).

Reproductive Toxicity

Not considered to be toxic to reproduction.

STOT-single exposure

Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure

Not expected to cause toxicity to a specific target organ.

Aspiration Hazard

Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Persistence and degradability

Not available

Mobility

Not available

Bioaccumulative Potential

Not available

Other Adverse Effects

Not available

Environmental Protection

Do not discharge this material into waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information

Road and Rail Transport (ADG Code):

This material is classified as a Class 8 Corrosive Substances Dangerous Goods and subsidiary Division 6.1 Toxic Substances

These Goods are incompatible in a placard load with any of the following:

- Class 1: Explosives
- Class 3: Flammable Liquids, if the Class 3 dangerous goods is nitromethane
- Division 4.3: Dangerous when wet Substances
- Division 5.1: Oxidising substances
- Division 5.2: Organic peroxides
- Class 6, Toxic or Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids
- Class 7: Radioactive materials unless specifically exempted

and are incompatible with food and food packaging in any quantity.

Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong.

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Class/Division: 8, Subrisk: 6.1

UN No: 2922

Proper Shipping Name: CORROSIVE LIQUID, TOXIC, N.O.S. (Contains Sulphuric acid, Potassium tetrakis(cyano-C)aurate & Sulfuric acid & cobalt(2+) salt (1:1))

Packing Group: III

EMS: F-A, S-B

Special Provisions: 274

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Class/Division: 8, Subrisk: 6.1

UN No: 2922

Proper Shipping Name: Corrosive liquid, toxic, n.o.s. (Contains Sulphuric acid, Potassium tetrakis(cyano-C)aurate & Sulfuric acid & cobalt(2+) salt (1:1))

Packing Group: III

Packaging Instructions (passenger & cargo): 852

Packaging Instructions (cargo only): 856

Hazard Label: Corrosive Toxic

Special Provisions: A3, A803

U.N. Number

2922

UN proper shipping name

CORROSIVE LIQUID, TOXIC, N.O.S.(contains Sulphuric acid, Potassium tetrakis(cyano-C)aurate, Sulfuric acid & cobalt(2+) salt (1:1))

Transport hazard class(es)

8

Sub.Risk

6.1

Packing Group

III

Hazchem Code

2X

IERG Number

37

IMDG Marine pollutant

No

Transport in Bulk

Not available

Special Precautions for User

Not available

15. REGULATORY INFORMATION

Regulatory information

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

S6

16. OTHER INFORMATION

Date of preparation or last revision of SDS

SDS created: August 2018

References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of Classification and Labelling of chemicals.

END OF SDS

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