

Section 1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER

1.1 Product identifier

Trade name : Promax GP, Platinum 312, Platinum 309MoL, Platinum 316L,
Platinum NiFe, Promax 700, Platinum 943

1.2 Other means of identification

: -

1.3 Recommended use of the chemical and restriction on use

Use : Electric arc welding

1.4 Details of principal suppliers (including name, address, phone number, etc.)

Supplier : Weldclass
Street address : 6 East West Place, Tamworth
NSW 2340, Australia
Telephone : +612 6764 9590
Email : sales@weldclass.com.au
Website : www.weldclass.com.au

Section 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance / mixture and any nation or regional information

Classification according to Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013

2.2 Label elements

Pictogram : Not applicable

Signal word : Not applicable

Hazard Statement(s) : Not classified

Precautionary Statement(s) : P261 Avoid breathing fume/gas
P280 Wear protective gloves/protective clothing/eye protection/face protection
P304 + P340 IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing
P337 + P313 If eye irritation persists: Get medical advice/attention
P233 + P403 Keep container tightly closed. Store in a well-ventilated place

2.3 Other hazards which do not result in classification or are not covered by the Regulations

: During welding process : Overexposure to welding fumes can be dangerous to health
Watch out for splatter, hot metal and slag. It may cause skin burn and cause fire
Arc rays can injure eyes and burn skin. Electric shock can kill. Avoid touching live electrical parts

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Section 3. COMPOSITION AND INFORMATION OF THE INGREDIENTS OF THE HAZARDOUS CHEMICAL

3.1 Substances

This product is a mixture and please refer to Section 3.2

3.2 Mixtures

Chemical Name	CAS No.	Concentration Range				
		Promax GP	Platinum 312, 309MoL, 316L	Promax 700	Platinum 943	Platinum NiFe
Aluminium Oxide	1344-28-1	< 3%				
Calcium Carbonate	471-34-1	< 3%	1-5%		1-5%	
Carbon (C)	7440-44-0	< 5%	< 1%	< 10%		< 1%
Cellulose	9004-34-6	< 5%				
Chromium (Cr)	7440-47-3		< 30%	< 10%	< 30%	
Copper (Cu)	7440-50-8	< 5%	< 2%			< 1%
Iron (Fe)	7439-89-6	> 60%		> 60%	< 0.5%	>40%
Manganese (Mn)	7439-96-5	< 5%	< 3%	< 10%	< 2%	< 1%
Molybdenum (Mo)	7439-98-7		< 15%	< 10%		
Nickel (Ni)	7440-02-0		< 15%	< 10%		>50%
Phosphorus (P)		< 1%	< 1%	< 1%		< 1%
Potassium (K)	7440-09-7		< 0.04%	< 1%	< 1%	
Silicone (Si)	7440-21-3	< 1%	< 1%	< 10%	< 1%	< 1%
Silicone Dioxide	14808-60-7	< 5%				
Sulphur (S)	7704-34-9	< 1%	< 1%	< 10%		< 1%
Titanium Dioxide	13463-67-7	< 15%				

Section 4. FIRST-AID MEASURES

4.1 Description of first aid measures

- Inhalation : IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms occur
- Skin contact : IF SKIN BURN. Affected area to be treated by a doctor.
- Eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Ingestion : IF SWALLOWED. Call a physician.

4.2 Most important symptoms and effects, acute and delayed

- Inhalation : Inhalation of vapour may cause irritation of the respiratory system in susceptible persons.

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

- : Not applicable

Section 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO₂), powder or diffuse jet of water.
In case of major fire: Extinguish fire with diffuse jet of water or foam

5.2 Specific hazards arising from the chemical

- : Not applicable

5.3 Special protective equipment and precautions for fire-fighters

- : Wear self contained breathing apparatus

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Section 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures
- : Mechanical ventilation and local exhaust ventilation must be adequate to keep fume concentrations within safe limits. Use respiratory equipment when welding in a confined space. Wear eye and skin protection plus protective clothing appropriate to welding.
- 6.2 Environmental precautions
- : Try to prevent the material from entering drains or water courses
- 6.3 Methods and material for containment and cleaning
- : Sweep up the floor

Section 7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling
- Preventive handling precautions : Ensure adequate ventilation for the welder and others. Use respiratory equipment when welding in a confined space. Wear eye and skin protection plus protective clothing appropriate to welding. Remove all flammable materials and liquids before welding
 - General hygiene : Wash hands before breaks.
- 7.2 Conditions for safe storage, including any incompatibilities
- : Store welding consumables inside a room without humidity. Do not store welding consumables directly on the ground. Store away from chemical substances like acids which could cause chemical reactions.

Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- 8.1 Control parameters
- Welding Fumes (NOC) : PEL - 8hr TWA = 5 mg/m³
- 8.2 Appropriate engineering controls
- : Mechanical ventilation and local exhaust ventilation must be adequate to keep fume concentrations within safe limits
- 8.3 Individual protection measures, such as personal protective equipment
- Eye / face protection : Wear welding shield
 - Skin protection : Wear welding glove
 - Respiratory protection : Use respiratory equipment when welding in a confined space, for example N95 Dust Mask or half face respirator with filter

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties
- Appearance : Rod, Grey
 - Form : Metal wire with flux coating
 - Odour : Odourless
 - Odour threshold : Not applicable
 - pH : Not applicable
 - Melting point / Freezing point : > 1500 °C
 - Initial boiling point and boiling range : Not applicable
 - Flash point : Not applicable
 - Evaporation rate : Not applicable
 - Flammability (solid gas) : Not applicable
 - Upper / lower flammability or explosive limits : Not applicable

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	Vapour pressure	: Not applicable
	Vapour density	: Not applicable
	Relative density	: Not applicable
	Solubility(ies)	: Immisible
Partition coefficient: n-octanol / water		: Not applicable
Auto-ignition temperature		: Not applicable
Decomposition temperature		: Not applicable
	Viscosity	: Not applicable
	Specific Gravity	: > 5 g/cm ³

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity		: Not applicable
10.2 Chemical stability		: Stable at normal conditions.
10.3 Possibility of hazardous reactions		: Not applicable
10.4 Conditions to avoid		: None under normal conditions
10.5 Incompatible materials		: Not applicable
10.6 Hazardous decomposition products		: Welding fumes and gases

Section 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Conditions to avoid: none in the form supplied

Overexposure to welding fumes can be dangerous to health, can cause dizziness, nausea and irritation to nose, throat or eyes

Acute Toxicity		: Not classified
Skin Corrosion / Irritation		: Not classified
Serious Eye Damage or Eye Irritation		: Not classified
Respiratory Sensitization		: Not classified
Skin Sentization		: Not classified
Germ Cell Mutagenicity		: Not classified
Carcinogenicity		: Not classified
Reproductive Toxicity		: Not classified
Specific Target Organ Toxicity - Single Exposure		: Not classified

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Specific Target Organ Toxicity : Overexposure to welding fumes can be dangerous to health, can cause
- Repeated Exposure dizziness, nausea and irritation to nose, throat or eyes

Aspiration Hazard : Not classified

Section 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

: The welding process can effect the environment if welding fume is released directly into the atmosphere. Residues from welding consumables could degrade and accumulate into soils and ground water.

12.2 Persistence and degradability

: Not applicable

12.3 Bio accumulative potential

: Not applicable

12.4 Mobility in Soil

: Not applicable

12.5 Other adverse effects

: Not applicable

Section 13. DISPOSAL INFORMATION

Disposal Information : Dispose of any product, residue, filter or packing material according to national and local regulations.

Section 14. TRANSPORTATION INFORMATION

14.1 UN number

: Not applicable

14.2 UN proper shipping name

: Not applicable

14.3 Transport hazard class (es)

: Not applicable

14.4 Packing group, if applicable

: Not applicable

14.5 Environmental hazards

: Not applicable

14.6 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

: Not applicable

14.7 Special precautions

: Not applicable

Section 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture.

: Classification according to Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013

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Section 16. OTHER INFORMATION

16.1 Key / legend to the abbreviations and acronyms used in the SDS

- SDS : Safety Data Sheet
- PEL : Permissible Exposure Limit
- TWA : Time Weighted Average

16.2 Other information deems necessary by a supplier

- : The information contained in the Safety Data Sheet is based on our data available on the date of publication. The information is intended to aid the user in controlling the handling risks; it is not to be construed as a warranty or specification of the product quality.

The user is responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the product's intended purpose. In case of any unclarity we advise consulting the supplier or an expert.