

Date Issue :

Issue Number:

1. Identification Of Material

Product: Jewellery Investment Powder
Platinó

Manufacturer: Specialist Refractory Services Ltd
The Amber Business Centre
Riddings, Derbyshire. DE55 4BR
Tel. 0044 - (0)1773 608969 Fax. 0044 - (0) 773 540105



2. Composition

A blend of silica, phosphates and magnesia with traces of modifying additives which are non-hazardous at the levels of addition.

Crystalline Silica CAS 14808-60-7

| | % composition |
|-------------------------|---------------|
| Quartz | 40-60% |
| Cristobalite | 20-40% |
| Mono-ammonium Phosphate | 5-10% |
| Magnesia | 4-8% |

3. Hazards Identification

This product contains crystalline silica. Long term over exposure to crystalline silica may cause chronic lung injury (silicosis).

4. First-Aid Measures

- Skin contact** - Wash off with soap and water. Remove badly contaminated clothing.
- Eye contact** - Irrigate immediately with copious amounts of water. If irritation persists seek medical advice.
- Inhalation** - Remove from exposure immediately, Seek medical advice.
- Ingestion** - Unlikely to cause an adverse reaction. Do not induce vomiting. Drink water and seek medical advice if symptoms develop.

5. Fire-Fighting Measures

This is a non-flammable products which will not support combustion. There are no limitations on extinguishing devices.

6. Accidental Release Measures

Contain spillages and remove using ventilated vacuum cleaning systems. Care must be taken when emptying cleaner. Small quantities can be washed to drain with plenty of water, larger quantities can be collected by vacuum or wet sweeping.

Personal precautions: see section 8 Exposure Controls/ Personal Protection

7. Handling And Storage

- Handling** - Avoid contact with skin and eyes. Use in a well ventilated area. Avoid inhaling dust. Do not eat drink or smoke in areas where the material is used. Recommend the use of engineering measures (e.g. local dust extraction) to provide effective dust control to comply with current Occupational Exposure Limits.
- Storage** - Store in cool, dry environment.

8. Exposure Controls/ Personal Protection

The use of skin and eye protection is recommended. Exposure to dust should be assessed and monitored at every stage of the casting process. Wear suitable dust masks if the OEL cannot be achieved by local exhaust ventilation (FFP2 or FFP3 types)

Occupational Exposure Limit

| C.A.S. No. | SUBSTANCE | O.E.L. mg/m ³ |
|------------|----------------------------|-----------------------------|
| 14464-64-1 | Cristobalite | 0.05 |
| 14808-60-7 | Quartz | 0.1 |
| 7722-76-1 | Mono ammonium phosphate | 10 |
| 1309-48-4 | Magnesia | 10 |

Personal Protection

Respiratory: The use of a dust mask or equivalent to EN149 Category FFP2S, and the provision of dust extraction/ventilation where dust is produced are recommended.

Hands: Gloves

Eyes: Goggles

Skin: General protective overalls. Soiled clothing must be adequately laundered to avoid becoming a dust source.

9. Physical appearance and Chemical properties

Colour: Off white
Appearance: Gritty powder
Odour: None
PH: 5-6
Relative Density: 2.4

10. Stability And Reactivity

Stable.

11. Toxicological Information

Inhalation: Dust from this product may irritate the respiratory.
Skin contact: May cause irritation in sensitive individuals.
Eye contact: Irritation is unlikely.
Ingestion: May cause irritation.
Long term exposure: Prolonged and repeated contact with this material could lead to respiratory tract damage, silicosis or pneumoconiosis

12. Ecological Information

No adverse effects are to be expected. However avoid contamination of drains and water sources.

13. Disposal Considerations

As an inert solid in accordance with local waste disposal legislation.

14. Transport Information- not classified as dangerous

No special precautions required, product not classified as dangerous.

15. Regularity Information

EC Supply Labelling Harmful
R-Phrases Harmful by inhalation
Danger of serious damage to health by prolonged exposure.
S-Phrases Do not breath dust.

16. Other Information

Additional information may be obtained from:

Guidance Note EH40 Occupational Exposure Limits is published annually by the Health and Safety Executive. The latest relevant limits should be observed.

HS(G) 37 "An introduction to Local Exhaust Ventilation" and Guidance Note EH44 "Dust in the Work Place" are both available from HM Stationery Office.

Advice on respiratory protective equipment is also given in BS 4275:1974.

Liability

Such information given on this Material Safety Data Sheet is to the best of SRS's knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness.

It is the user's responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.

ISSUE NUMBER: MSDS163