



Plex-Mas 2861 MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

- 1.1. Trade Name : Plex-Mas 2861
1.2. Chemical nature : Modified Silica
1.3. Emergency Contact : (65) 67733363
1.4. Manufacturer : Plexchem Technologies

2. COMPOSITION / INFORMATION ON INGREDIENTS

No hazardous substance.

3. HAZARD IDENTIFICATION

- 3.1. **Main hazards and effects** : Harmful if swallowed.

4. FIRST AID MEASURES

- 4.1. **Swallowing** : Induce vomiting. Obtain medical attention immediately.
4.2. **Inhalation** : Provide fresh air. Give artificial respiration if not breathing. If breathing is difficult, oxygen may be given by qualified personnel. Obtain medical attention.
4.3. **Skin contact** : Remove contaminated clothing. Wash skin with soap and water. Use alcohol to clean if necessary.
4.4. **Eye contact** : Immediately flush eyes with water and continue washing for several minutes. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

5.1. Extinguisher media :

Suitable media : alcohol OR universal-type foams, CO₂ and dry chemical
Unsuitable media : NONE.

- 5.2. **Special fire fighting procedures** : Use water spray to cool fire-exposed containers and structures. Use remote spray monitors or fight fire from behind shields.

- 5.3. **Special protective equipment for fire-fighters** : Self-contained breathing apparatus. Body covering protective clothing.

- 5.4. **Unusual fire and explosion hazards** : None

6. ACCIDENTAL RELEASE MEASURES

- 6.1. **Personal precautions** : Wear suitable protective equipment.
- 6.2. **Environmental precautions** : Prevent runoff.
- 6.3. **Methods for cleaning up** : Cover with absorbent or contain. Collect for disposal. Extinguish and do not turn on any ignition source until the area is determined to be free from fire or explosion hazards.

7. HANDLING AND STORAGE

- 7.1. **Advice on safe handling** : Do not swallow.
- 7.2. **Ventilation** : No specific requirement. General mechanical room ventilation is expected to be satisfactory.
- 7.3. **Storage requirements** : Keep in a cool, dry environment.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1. **Exposure limits** : No exposure limits have been established
- 8.2. **Respiratory protection** : Self-contained breathing apparatus in high vapour concentrations.
- 8.3. **Recommended material of protective gloves** : Butyl, Neoprene, Nitrile (NBR), PVC-coated.
- 8.4. **Eye protection** : Safety glasses.
- 8.5. **Other protective equipment** : Chemical apron, Eye bath, Safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	:	Solid powder
Colour	:	White
Odour	:	none

Other properties (typical)

Boiling point	:	Not applicable
Melting point	:	Not applicable
Flash point	:	> 200°C (estimated)
Relative Density	:	Not measured
Vapour pressure	:	Not measured
Vapour density	:	Not measured
Solubility in water	:	Does not dissolve
Molecular weight	:	Mixture

10. STABILITY AND REACTIVITY

- 10.1. **Stability** : Stable under normal conditions.
- 10.2. **Incompatible materials** : Strong oxidizing or reducing agent.
- 10.3. **Hazardous combustion products** : Burning can produce the following combustion products: oxides of carbon, oxides of silicon. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. Carbon monoxide may be emitted during combustion and it is highly toxic if inhaled.
- 10.4. **Polymerization** : Does not occur.
- 10.5. **Conditions to avoid** : Strong oxidizing or reducing agent.

11. TOXICOLOGICAL INFORMATION

11.1. SWALLOWING

Acute effects : May cause irritation.

Acute oral toxicity : Not measured

11.2. SKIN ABSORPTION

Acute effects : No evidence of harmful effects from available information.

Acute dermal toxicity : Not measured

11.3. INHALATION

Acute effects : May cause respiratory tract irritation, eye irritation, nasal discomfort and discharge, chest pain, coughing. Prolonged overexposure may result in the inhalation of harmful or potentially fatal amounts of material.

Effects of repeated overexposure : Powder may cause injury to the lungs.

Acute inhalation toxicity : Not measured

11.4. SKIN CONTACT

Acute effects : does not cause any irritation or discomfort.

Skin irritation: not measured

11.5. EYE CONTACT

Acute effects : May causes irritation, excess blinking, tear production, excess redness of the conjunctivae, swelling of the conjunctivae.

Acute Eye irritation : not measured

11.6. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE

Not know. Patients shall be treated for over exposure to silicone powder.

12. ECOLOGICAL INFORMATION

- 12.1. General : All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

13. DISPOSAL CONSIDERATIONS

- 13.1. This product should be disposed of in a furnace where permitted under national and local regulations.

14. TRANSPORT INFORMATION

14.1. ADR/RID

Not regulated

14.2. IMDG

Not regulated

14.3. ICAO

Not regulated

15. Regulatory Information

15.1. EC classification

Contains : Silica

16. OTHER INFORMATION

- 16.1. **Recommended uses and restrictions** : Please consult the product and/or application information bulletins for this product.
- 16.2. **Updated May 2007**

The opinions expressed herein are provided in the best of our knowledge. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of Plexchem Technologies Pte Ltd, it is the user's obligation to determine the conditions of safe use of the products.

Plex-Mas- 2861 is a product of PLEXCHEM TECHNOLOGIES an ISO 9001 accredited company.



