

MATERIAL SAFETY DATA SHEET**Purasil R150**

Material no		Version	1.16/ PK
Specification	2018000788	Revision Date	12/18/2018
Order Number		Print Date	12/20/2018
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**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade Name : Purasil R150
Chemical Name : Silane, Polydimethylsiloxane, reaction with silica
CAS No : 68611-44-9

Recommended uses /
Substance use : Silicone Rubber
Paints and coatings
Thickening agent
Adhesives
Cosmetics

Company : Pak Chromical Limited
Main National Highway
Plot No. 420/421
Dhabeji, District Thatta
Pakistan

Telephone : (021) 327-601-35
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2. HAZARDS IDENTIFICATION***** EMERGENCY OVERVIEW *****

Form-powder *Color-white* *Odor-odorless*

Dust may be irritating to the respiratory tract.

POTENTIAL HEALTH EFFECTS**Eye Contact**

Possibly Irritating.

Skin Contact

May cause drying of the skin.

Inhalation

Possibly Irritating.

Ingestion

No hazard expected in normal use.

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**3. COMPOSITION / INFORMATION OF INGREDIENTS**

Ingredients	CAS No.	Content	Classification
Silicon dioxide	68611-44-9	>98.5%	-

4. FIRST AID MEASURES**Inhalation**

In case product dust is released: Possible discomfort, cough, sneezing
Move victims into fresh air.

Skin contact

Wash off with soap and plenty of water.

Eye contact

In case of contact, immediately wash eyes with plenty of water for at least 15 minutes or until all the material has been removed. Obtain medication attention.

Ingestion

If accidentally swallowed, rinse mouth thoroughly with water and drink plenty of water afterwards.
In case of discomfort, obtain medical attention immediately. Do not induce vomiting.

5. FIRE FIGHTING MEASURES**Suitable extinguishing media**

: Dry chemical powder, appropriate foam, water spray or Carbon dioxide.

Unsuitable extinguishing media

: High pressure water jet

Special exposure hazards

: Product is considered not to be flammable. Danger of dust explosion. Sufficient measures must be taken to retain fire-control water and should not be allowed to enter drains or watercourses. Dispose of contaminated water and soil according to local regulations.

Special protective equipment

: A self-contained breathing apparatus and suitable protective clothing should be worn by fire fighters.

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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Mark out contaminated area with signs and prevent access to unauthorized personnel. Prevent inhalation or contact with skin or eyes by wearing suitable protective equipment (see section 8-personal protection).
Eliminate all sources of ignition.
- Environmental precautions** : Prevent any spillage from entering drains or water courses.
- Methods for cleaning up** : Mechanically take up or sweep up the spillage. Avoid raising dust.
Transfer to a suitable container for waste disposal. Ventilate area and wash spill site with plenty of water after material pickup is complete.

7. HANDLING AND STORAGE

- Handling** : This substance should only be handled by trained personnel wearing Suitable protective equipment (see section 8-personal protection). Avoid inhalation, skin, and eye contact. Avoid prolonged or repeated exposure to product. Avoid creating dust. Do not handle near open flame, sources of heat, static charge or ignition. Take precautionary measures against static discharge. All metal parts of the mixing and processing equipment must be earthed. Ensure all equipment is electrically earthed before beginning transfer operations. Good general ventilation is required.
When using, do not eat, drink or smoke at the workplace.
- Storage** : Store in closed bags or containers tightly closed and properly labelled. Store in cool, dry, and well-ventilated area. Do not store together with volatile chemicals as they may be adsorbed onto the product. Take precautions against static charge by ensuring good earthing of equipment, particularly in flammable environments.

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**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

- Exposure limit values** : OES: 6mg/m³ TWA Total dust; 3mg/m³ TWA Respirable Dust
- Exposure controls** : Use process enclosure, local exhaust ventilation or other controls to minimize airborne levels of the product.
- Occupational exposure controls** :Wear recommended personal protective equipment as detailed below:
- Personal protection** : Chemical resistant gloves & safety glasses in some section of the production is must.
- Respiratory protection** : Seek professional advice prior to respirator selection. Atmospheric level should be maintained below the exposure limit. If airborne concentration is high use mask or respirator.
- Hand protection** : Wear chemical protective gloves.
- Eye protection** : Wear safety glasses.
- Skin protection** : Wear chemically protective clothing.
- Work practices** : Eye wash facilities and a safety shower should be easily accessible. Before breaks and at the end of work thoroughly wash hands with soap and water and then apply protection cream. Wash contaminated clothing before reuse. Clean footwear before reuse.
- Environmental exposure controls** : All necessary precautions must be taken to avoid release into the environment. Refer to Local, State or National Legislation for Environmental and Pollution control.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	powder
Color	white
Odor	odorless

Safety Data

pH	3.5 -6
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Boiling point/ range	Not applicable
Flash point	Not applicable
Flammability (solid, gas)	Not determined
Explosive properties	Not determined
Oxidizing properties	Not applicable
Vapour pressure	Not applicable
Solubility – water	Not soluble
Partition coefficient	Not applicable

Viscosity	Not applicable
Vapour density	Not applicable
Evaporation rate	Not applicable

Other Information

Melting point/ range	Not applicable
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10. STABILITY AND REACTIVITY

Stability : Stable under ordinary conditions of use and storage.

Conditions to avoid : Keep away from direct sunlight, heat and sources of ignition. Take precautionary measures against static charge

Materials to avoid : Avoid contact with strong oxidizers

Hazardous decomposition products : No hazardous decomposition products under normal conditions of storage. Stable and inert product. May include oxides of carbon on burning. Hazardous polymerization products not reported.

11. TOXICOLOGICAL INFORMATION**Inhalation**

LC50 (1h) Rat: >0.139mg/l; may be irritating to the upper respiratory tract and mucous membranes.

Ingestion

Not expected to be toxic by ingestion

Skin contact

LD50 Rat: >1000mg/l; may be irritating to skin.

Eye contact

Data not available; may be irritating to eyes.

12. DISPOSAL INFORMATION**Waste disposal**

Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method.

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13. TRANSPORT INFORMATION**Transport / further information**

Not classified as dangerous in the meaning of transport regulations.

14. OTHER INFORMATION

This information is furnished without warranty expressed or implied, except that it is accurate to the best of knowledge with M/s. Pak Chromical Ltd. The data on this sheet is related only to the specific material designated therein. Pak Chromical assumes no legal responsibility for use or reliance upon these data.

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