SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name	**Gasil HP860** **Wax coated amorphous silica**
Use	Additive for use in a wide range of applications including paints and coatings. Matting agent.
Manufacturer/Supplier:	PQ Corporation 111 Ingalls Avenue Joliet Illinois 60435 USA
Telephone: Fax:	+1 815 727 3651 +1 815 727 9857
Emergency Phone No.	ChemTrec (800) 424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	%W/W	CAS No.	EINECS No.	EC Classification
Synthetic amorphous silica	> 80 %	112926-00-8	2315454	Occupational Exposure Limits
Hydrocarbon wax	< 15 %			
Water	< 6 %	7732-18-5	2317912	

3. HAZARDS IDENTIFICATION

EC Classification: Not classified as dangerous for supply/use.

Exposure to any kind of dust is potentially harmful.
Dust clouds are flammable and may be explosive.

4. FIRST AID MEASURES

Eye Contact	If substance has got into the eyes, immediately wash out with plenty of water. Obtain immediate medical attention.
Skin Contact	Wash affected skin with plenty of water. If symptoms develop, obtain medical attention.
Ingestion	Do not induce vomiting. Wash out mouth with water. If large amount swallowed or symptoms develop obtain medical attention.
Inhalation	Remove patient from exposure, keep warm and at rest. If symptoms develop, obtain medical attention.

5. FIRE-FIGHTING MEASURES

General: Ignites in contact with flame and supports combustion until the wax has burned off.

Extinguishing media	Extinguish with waterspray, foam or dry chemical. Be aware of the possibility of re-ignition. Cool the smouldering material with water spray to minimise the possibility of re-ignition.
Unsuitable Extinguishing Media	Carbon dioxide is unsuitable (creates dust).

6. ACCIDENTAL RELEASE MEASURES

Personal Protection	Wear suitable protective clothing. Wear eye/face protection. An approved dust mask should be worn if dust is generated during handling. See Also Section 8.
General:	Contain spillages. Dampening with water can reduce dust. Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling	Avoid generation of dust. See Also Section 8. A considerable static electrical charge can be built up during mechanical handling which may become a hazard in atmospheres containing flammable vapours. Advice on the control of static is given in British Standard BS 5958. When handling in bulk, the possibility of dust explosion should be considered. If the risk is significant, mechanical handling equipment must be earthed and provided with explosion venting.
Storage	Keep container tightly closed and dry.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Synthetic amorphous silica	Silica amorphous, total inhalable dust: UK EH40: WEL 6 mg/m3 8h TWA. Silica amorphous, respirable dust: UK EH40: WEL 2.4 mg/m3 8h TWA. Silica, Amorphous - Precipitated silica and silica gel: ACGIH: TLV withdrawn 2006 Silica amorphous - Precipitated silica: OSHA: PEL 6mg/m3 8h TWA
General:	Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.
Respirators	Avoid inhalation of dusts. Wear suitable respiratory protective equipment if working in confined spaces with inadequate ventilation or where there is any risk of the exposure limits being exceeded. Advice on respiratory protective equipment is given in the HSE (Health and Safety Executive) publication HS(G)53.
Skin Contact	Wear suitable protective clothing and gloves. Plastic or rubber gloves. For example EN374-3. Wear suitable overalls.
Eye Protection	Safety spectacles. Goggles.
Other	Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Powder.
Colour	White.
Odour	Odourless.
pH (Value)	3 - 10 at 5% w/w in water.
Flash Point (°C) [Closed cup]	Not applicable.
Flammable Limits (Lower) (%v/v)	Not applicable.
Explosive Properties	Minimum explosible concentration 500 g/m3 .
Solubility (Water)	Insoluble.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Hazardous Reactions	Take precautionary measures against static discharges. Avoid contact with: Strong oxidising agents.
Hazardous Decomposition Product(s)	None known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	The lethal dose for humans for synthetic amorphous silica is estimated at over 15000 mg/kg. Synthetic amorphous silica is a permitted food additive in the UK, US and many other countries. Hydrocarbon wax compounds are generally of low toxicity.
Inhalation	Synthetic amorphous silica has little adverse effect on lungs and does not produce significant disease or toxic effect when exposure is kept below the permitted limits. However, existing medical conditions (eg. asthma, bronchitis) may be aggravated by exposure to dust. Effects of dust may be greater, and occur at lower levels of exposure in smokers compared to non-smokers.
Eye Contact	Dust may cause discomfort and mild irritation.
Skin Contact	Dust may have a drying effect on the skin.
Carcinogenicity Information	IARC assessment: Amorphous silica is not classifiable as to its carcinogenicity to humans (Group 3).

12. ECOLOGICAL INFORMATION

Ecotoxicity	Synthetic amorphous silica is virtually inert and has no known adverse effect on the environment. Hydrocarbons are List I substances in the EEC Directive 76/464 for the control of dangerous substances into the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Recommended:	Disposal should be in accordance with local, state or national legislation. This product normally causes no problems in sewage treatment works, where it settles with the sewage sludge. This material is not classified as hazardous waste under EEC Directive 91/689/EEC (and amendments). This material is not classified as hazardous waste under the Hazardous Waste (England and Wales) Regulations SI 2005 No. 894. May be disposed of by landfill in accordance with local regulations.

14. TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

Packaging	No special packaging requirements.

15. REGULATORY INFORMATION

EC Classification	Not classified as dangerous for supply/use.
Safety Phrases	Handle in accordance with good industrial hygiene and safety practices. Avoid inhalation of dusts.

EINECS: Polymeric material/preparation - all components listed.
TSCA Inventory Status: Mixture - all components included.
AICS Inventory Status: Mixture - all components included.
DSL/NDSL Inventory Status: Mixture - all components included.

16. OTHER INFORMATION

The following sections contain revisions or new statements:	All sections.
MSDS first issued	16/10/2001
MSDS data revised	12/2010

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