

Revision Date 22-Oct-2018

Version 2

1. IDENTIFICATION

Product Name PC 80M Liquid

Synonyms Precipitated Synthetic Amorphous Silica

Product Code OCPC00019

Description Adhesive and Bore Coating for FOAMGLAS® insulation

Recommended Use Adhesives

Manufacturer Address Pittsburgh Corning, LLC, a subsidiary of Owens Corning
One Owens Corning Parkway
Toledo, Ohio 43659

Company Phone Number 1-800-327-6126 or 1-724-327-6100

24 Hour Emergency Phone Number Chemtrec 1-800-424-9300 or 1-703-741-5970 CCN17393

Emergency Telephone 1-419-248-5330 (after 5 pm ET and weekends)

E-mail address productcompliance@owenscorning.com

Company Website <http://www.foamglas.com/>

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

The product contains no substances which at their given concentration, are considered to be hazardous to health

Hazards not otherwise classified (HNOC) Not applicable

Unknown acute toxicity No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS**Product Components**

Chemical name	CAS No	Weight-%	Trade Secret
Amorphous silica	7631-86-9	30 - 60	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

Description of First Aid Measures

- | | |
|---------------------------|--|
| Eye contact | <ul style="list-style-type: none">• Rinse thoroughly with plenty of water, also under the eyelids• If eye irritation persists: Get medical advice/attention |
| Skin contact | <ul style="list-style-type: none">• Wash skin with soap and water |
| Inhalation | <ul style="list-style-type: none">• Remove to fresh air |
| Ingestion | <ul style="list-style-type: none">• Clean mouth with water and drink afterwards plenty of water |
| Note to physicians | <ul style="list-style-type: none">• Treat symptomatically |

5. FIRE-FIGHTING MEASURES

- | | |
|--|---|
| Suitable extinguishing media | <ul style="list-style-type: none">• Use extinguishing measures that are appropriate to local circumstances and the surrounding environment |
| Unsuitable extinguishing media | <ul style="list-style-type: none">• Caution: Use of water spray when fighting fire may be inefficient |
| Specific hazards arising from the chemical | <ul style="list-style-type: none">• No information available |
| Explosion data | |
| Sensitivity to Mechanical Impact | • No |
| Sensitivity to Static Discharge | • No |
| Protective equipment and precautions for firefighters | <ul style="list-style-type: none">• As in any fire, wear self-contained breathing apparatus (positive-pressure), MSHA/NIOSH (approved or equivalent) and full protective gear |

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

- | | |
|----------------------------------|---|
| Personal precautions | <ul style="list-style-type: none">• Ensure adequate ventilation, especially in confined areas• Use personal protective equipment as required |
| Environmental precautions | <ul style="list-style-type: none">• See Section 12 for ecotoxicology additional information |

Methods and material for containment and cleaning up

- | | |
|--------------------------------|--|
| Methods for containment | <ul style="list-style-type: none">• Prevent further leakage or spillage if safe to do so |
| Methods for cleaning up | <ul style="list-style-type: none">• Pick up and transfer to properly labeled containers |

7. HANDLING AND STORAGE**Conditions for safe storage, including any incompatibilities**

- | | |
|-------------------------------|---|
| Storage Conditions | <ul style="list-style-type: none">• Keep containers tightly closed in a dry, cool and well-ventilated place |
| Incompatible materials | <ul style="list-style-type: none">• None known based on information supplied |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH REL
Amorphous silica 7631-86-9	-	(vacated) TWA: 6 mg/m ³ <1% Crystalline silica TWA: 20 mppcf : (80)/(%) SiO ₂ mg/m ³ TWA	IDLH: 3000 mg/m ³ TWA: 6 mg/m ³

Engineering Controls

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

- Eye/face protection** • Wear safety glasses with side shields (or goggles)
- Skin and body protection** • No special technical protective measures are necessary
- Respiratory protection** • If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

General Hygiene Considerations • Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Odor	Odorless
Color	Clear
pH value	9.2 – 10.4 (@25°C)
Melting point / freezing point	0 °C / 32 °F
Boiling point / boiling range	100 °C / 212 °F
Flash point	Not applicable
Vapor pressure @20 °C (kPa)	32 hPa @ 25°C
Water solubility	Miscible in water
Autoignition temperature	Not applicable
Specific Gravity	1.1 – 1.3 @ 20°C
VOC:	0

10. STABILITY AND REACTIVITY

- Reactivity** • No data available
- Chemical stability** • Stable under recommended storage conditions
- Possibility of Hazardous Reactions** • None under normal processing
- Conditions to avoid** • Extremes of temperature and direct sunlight
- Incompatible materials** • None known based on information supplied
- Hazardous Decomposition Products** • None known based on information supplied

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Product does not present an acute toxicity hazard based on known or supplied information

Chemical name	Oral LD50	LD50/dermal/rat - NO UNITS (Wizards mg/kg)	Inhalation LC50
Amorphous silica 7631-86-9	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.2 mg/L (Rat) 1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation

May cause eye irritation.

Sensitization

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Amorphous silica 7631-86-9	-	Group 3	-	-

*IARC (International Agency for Research on Cancer)
Group 3 - Not classifiable as a human carcinogen*

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

- The environmental impact of this product has not been fully investigated
- This product is not expected to be hazardous for the environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Amorphous silica 7631-86-9	440: 72 h Pseudokirchneriella subcapitata mg/L EC50	5000: 96 h Brachydanio rerio mg/L LC50 static	7600: 48 h Ceriodaphnia dubia mg/L EC50

Persistence and degradability

- No information available

Bioaccumulation

- No information available

Other adverse effects

- No information available

13. DISPOSAL CONSIDERATIONS

Disposal of wastes

- Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated packaging

- Do not reuse container

14. TRANSPORT INFORMATION

DOT

Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Amorphous silica 7631-86-9	X	X		X		X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Amorphous silica 7631-86-9	X	X	X

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Revision Date

22-Oct-2018

Revision Note

Update of document format

Disclaimer

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use

End of Safety Data Sheet