

Material Safety Data Sheet

Momentive Performance Materials Clear Fused Quartz

PRODUCT: QUARTZ PRODUCTS Quartz (Tubing, Rod, Crucibles, etc)
MSDS No: 53279

Momentive Performance Materials Quartz, 1975 Noble Road, Cleveland, OH 44112-6300

(1) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:

Willoughby Quartz Plant
Momentive Performance Materials Quartz, Inc.
4901 Campbell Road
Willoughby, OH 44094
EMERGENCY PHONE (8-5 & 24 HOURS):
216-266-4109
216-266-2222

SUPPLIED BY:

Willoughby Quartz Plant
Momentive Performance Materials Quartz, Inc.
4901 Campbell Road
Willoughby, OH 44094
EMERGENCY PHONE (8-5 & 24 HOURS):
216-266-4109
216-266-2222

REVISED: 10/23/06
PREPARER: A. M. Zielinski

(2) COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV		OSHA PEL		UNITS
		TWA	STEL	TWA	STEL	
-----	-----	-----	-----	-----	-----	-----

AMORPHOUS FUSED SILICA

60676-86-0

ca 100 PPH 0.1

NE

0.1

NE

MG/M3

(3) HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Avoid breathing dust.

PRODUCT INFORMATION:**INHALATION:**

Causes moderate respiratory irritation.

INGESTION:

None expected.

SKIN CONTACT:

Can dry skin.

EYE CONTACT:

May cause eye irritation through mechanical abrasion.

MEDICAL CONDITIONS AGGRAVATED:

Pulmonary disorders.

CHRONIC EFFECTS/CARCINOGENICITY:

Silicosis has been associated with an increased risk of lung cancer. Crystalline silica should be considered a possible human carcinogen based on this association. Fused silica has not been identified as a carcinogen.

(4) FIRST AID MEASURES

INHALATION:

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

INGESTION:

No emergency care anticipated.

SKIN:

Wash with soap and water.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

(5) FIRE FIGHTING MEASURES

FLASH POINT:	None
METHOD:	Not specified
FLAMMABLE LIMITS IN AIR - LOWER (%):	Not applicable
FLAMMABLE LIMITS IN AIR - UPPER (%):	Not applicable
IGNITION TEMP:	None
EXTINGUISHING MEDIA:	All standard firefighting media
SPECIAL FIREFIGHTING PROCEDURES:	None known
SENSITIVITY TO MECHANICAL IMPACT (Y/N):	No
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.

(6) ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Sweep or gather up material and place in proper container for disposal or recovery.

(7) HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
No special precautions required.

(8) EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	No specific engineering controls normally required.
VENTILATION:	General room ventilation is normally adequate.
RESPIRATORY PROTECTION:	Use approved NIOSH respiratory protection if TLV exceeded or over exposure is likely.
EYE AND FACE PROTECTION:	Safety glasses
PROTECTIVE GLOVES:	None known.
OTHER PROTECTIVE EQUIPMENT:	None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	2230 C (4045 F)
MELTING POINT:	1710 C (3110 F)
SPECIFIC GRAVITY (WATER=1):	2.65
VAPOR PRESSURE (20 C) (MM HG):	N/A
VAPOR DENSITY (AIR=1):	N/A
% VOLATILE BY VOLUME:	None
EVAP. RATE (BUTYL ACETATE=1):	N/A
SOLUBILITY IN WATER (20 C):	Insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Unknown
PHYSICAL STATE:	Solid
COLOR	Colorless
APPEARANCE:	Clear tubing/rod or crucible
ODOR:	None
ODOR THRESHOLD (PPM):	
PH:	

(10) STABILITY AND REACTIVITY

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:	None known
INCOMPATIBILITY (MATERIALS TO AVOID):	Hydrofluoric acid
CONDITIONS TO AVOID:	Grinding, sawing, sanding, abrading or otherwise dispersing in air. Fused silica can convert to crystalline silica if held at high temperatures for extended periods of time.

(11) TOXICOLOGICAL INFORMATION

AMORPHOUS FUSED SILICA 60676-86-0	
ACUTE INHALATION LC50 (MG/L):	Unknown
ACUTE ORAL LD50 (MG/KG):	Unknown
AMES TEST:	Unknown

PRODUCT INFORMATION:

(12) ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION:**

No data at this time.

CHEMICAL FATE INFORMATION:No data at this time.

(13) DISPOSAL CONSIDERATIONS**DISPOSAL METHOD:**

Disposal should be made in accordance with federal, state and local regulations.

EPA HAZARDOUS WASTE CLASSIFICATION:Not Classified

(14) TRANSPORT INFORMATION**DOT SHIPPING NAME:**

None

DOT HAZARD CLASS:

None

DOT LABEL(S):

None

UN/NA NUMBER:

None

PLACARDS:

None

IATA:None

(15) REGULATORY INFORMATION**SARA SECTION 302:**

None Found

SARA (311, 312) HAZARD CLASS:

None

SARA (313) CHEMICALS:

None

WHMIS HAZARD CLASS

D2B TOXIC MATERIALS

HAZARD RATING SYSTEMS**HMIS:**

FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 1

NFPA:

FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 1

TSCA:

All ingredients in this product comply with the TSCA Inventory requirements.

EINECS:

All ingredients in this product comply with the EINECS Inventory requirements.

CANADIAN DOMESTIC SUBSTANCES LIST:All of the ingredients in this product are included in the Canadian DSL.

CANADIAN NON-DOMESTIC SUBSTANCES LIST:

CANADIAN NPRI CHEMICALS: None

(16) OTHER INFORMATION

ADDITIONAL INFORMATION:

C	= ceiling limit	NEGL	= negligible	EST	= estimated
NF	= none found	NA	= not applicable	UNK	= unknown
NE	= none established	REC	= recommended	ND	= none determined
V	= recommended by vendor	TS	= trade secret	SKN	= skin
R	= recommended	MST	= mist		

LABELING INFORMATION:

DATE PRINTED: 10/23/06

OTHER OCCUPATIONAL EXPOSURE LIMITS (NON-U.S.)

Other established occupational exposure limits where known are shown below.

AMORPHOUS FUSED SILICA

60676-86-0	U.K. Occupational Exposure Standard:	0.1 mg/m3 TWA
	Mexican Occupational Exposure Limit:	0.1 mg/m3 TWA
	German Exposure Limit:	TRGS 900 - 0.3 mg/m3 (MAK)

*** END OF MSDS ***

NOTICE: Information herein is given in good faith, but no warranty, expressed or implied, is made. This material is intended for industrial use only.

[!\[\]\(aab88c0d099e5d18d6533a97b13ec28d_img.jpg\) Visit the Momentive GE Quartz Website](#)

[!\[\]\(b538fe54c1f3a7343e37e85cc2d00497_img.jpg\) Return to the National Scientific Main Page](#)

Copyright © 2006 A.M. Zielinski / Momentive Performance Materials Quartz, Inc.
This Home Page was created by wa3key, Saturday, March 8, 1997
Most recent revision Friday, May 18, 2007