SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : REOLOSIL (Hydrophobic Type) PM-Series, X-Series
NAME OF THE SUPPLIER : Tokuyama Corporation
ADDRESS : FRONT PLACE AKIHABARA,
7-5, Sotokanda 1-chome, Chiyoda-ku, Tokyo 101-8613, Japan
SECTION : Silica & Derivatives Sales Department,
Electronic Materials Business Division
TELEPHONE NUMBER : +81-3-5207-2532
TELEFAX NUMBER : +81-3-5207-2576
CREATION DATE : Feb. 15, 2001
REVISION DATE : Apr. 1, 2021

2. HAZARDS IDENTIFICATION (GHS)

CLASSIFICATION OF THE SUBSTANCE:
This product has no classification; it is conclusive but not sufficient for classification.

3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/PREPARATION : Substance
COMMON CHEMICAL NAME : Hydrophobic Silicon Dioxide (amorphous)
SYNONYMS : Hydrophobic Silica, Surface Treated Silica, Amorphous Fumed Silica
CAS NUMBER : 67762-90-7
INGREDIENTS CONTRIBUTING TO THE HAZARDS
Chemical Formula : $SiO_2 \cdot n((CH_3)_2 \cdot SiO)$
Concentration : more than 99%
Other Contaminants : Trace Levels of Metallic Impurities

4. FIRST-AID MEASURES

INFORMATION
Inhalation :
Remove from exposure area to fresh air immediately.
Perform artificial respiration if necessary.
Get medical attention if necessary.
Skin Contact :
Remove contaminated clothing and shoes immediately.
Wash with soap or mild detergent and large amount of water until no evidence of chemical remains (at least 15-20 minutes).
Get medical attention if necessary.
Eye Contact :
Wash eyes immediately with large amount of water, occasionally lifting upper and

lower lids, until no evidence of chemical remains (at least 15-20 minutes).
Get medical attention if necessary.

Ingestion :

Rinse mouth with water.
Get medical attention if necessary.

Protection of first-aiders:

Wear gloves, air-tight safety and dust respirator.

5. FIRE-FIGHTING MEASURES

FIRE AND EXPLOSION HAZARD :

Negligible fire hazard when exposed to heat or flame.

EXTINGUISHING MEDIA :

Suitable : Use extinguishing agents appropriate for surrounding fire.
Large Fires : No acute hazard. Move container from fire area if possible.
Avoid breathing vapors or dusts.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS :

Evacuate unnecessary personnel.
Wear appropriate protective equipment.

ENVIRONMENTAL PRECAUTIONS :

Prevent spills from entering sewers, watercourses or low areas.
Do not wash away into sewers or waterway.

METHODS FOR CLEANING UP :

Recovery : Avoid raising dust.
Sweep up with a minimum of dusting and place into suitable containers for reclamation or disposal.
Residue should be cleaned up using a high-efficiency particulate filter vacuum.

7. HANDLING AND STORAGE

HANDLING :

Technical Measures :

Prevention of user exposure : Do not breathe dust.
Avoid contact with eyes, skin or clothing.
Keep container tightly closed.
Wash thoroughly after handling.

Precautions : Use only with adequate ventilation.
Prevent deposition of dust.

STORAGE :

Technical Measures :

Store in a dry place and keep container tightly closed when not in use.

Storage Conditions :

Suitable : Store in a cool, dry, well-ventilated location.

Separation from incompatible products :

Keep from any possible contact with water.

Separate from oxidizing materials.

PACKING MATERIALS

Recommended : Not restricted.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES :

Provide local exhaust ventilation system to meet published exposure limits.

Make available emergency shower and eye wash in the work area.

CONTROL PARAMETERS :

Exposure Limits : ACGIH TLV-TWA (2010: Recommend) as PNOS

10 mg/m^3 (Inhalable Particles)

3 mg/m^3 (Respiarable Particles)

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection : Dust respirator

Hand Protection : Gloves, chemical resistant gloves

Eye protection : Safety goggles.

Skin and Body Protection :

Wear appropriate protective clothing and equipment to prevent repeated or prolonged skin contact with this substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : White powder

Form : Amorphous and Fine Powder

Color : White

Odor : Odorless

Molecular Weight : no data available

SPECIFIC TEMPERATURES AT WHICH CHANGES IN PHYSICAL STATE OCCUR:

Boiling Point : 2,230°C

Melting Point : >1,600°C

SPECIFIC GRAVITY : no data available

WATER SOLUBILITY : Insoluble

SOLVENT SOLUBILITY : Soluble in hydrofluoric acid and molten alkali.

10. STABILITY AND REACTIVITY

STABILITY : Stable at normal temperatures and pressures.

POSSIBLE HAZARDOUS REACTIONS OCCURRING UNDER SPECIFIC CONDITIONS

: no data available

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	: LD_{50}	: oral-rat	>5,000mg/kg	1*
	: LC_0	: inhalation-rat	>0.139mg/L/4hr	2*
CARCINOGENICITY	: IARC Group-3			

12. ECOLOGICAL INFORMATION

PERSISTENCE/DEGRADABILITY : no data available
BIOACCUMULATION : no data available

13. DISPOSAL CONSIDERATIONS

RECOMMENDED METHODS FOR DISPOAL
Waste from residues :
Observe all federal, state and local regulations when disposing of this substance.

14. TRANSPORT INFORMATION

No classification currently assigned.

15. REGULATORY INFORMATION

Regulatory information with regard to this substance in your country or in your region should be examined on your own responsibility.

16. OTHER INFORMATION

The information herein is given in good faith, but no warranty is made, either expresses or implied. To the best of our knowledge, the information contained herein is accurate.
However, Tokuyama Corporation doesn't assume any liability whatsoever for the accuracy or completeness of information contained herein.
Final determination of suitability of any material should be made on the sole responsibility of the user. All materials may present unknown hazards and should be used in caution.
Although certain hazards are described herein, we make no warranty that these are all hazards which exist.

References :
1* : EU REACH Registration dossier
2* : OECD SIDS/SILICON DIOXIDE