Material Safety Data Sheet

Concrete Pipeline Powder (RXSOL-67-6713-200)

1. Product and Company Identifaction

Porduct Name	Concrete Pipeline Powder
Part Number	RXSOL-67-6713-200

Company Details:....

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

Phone	+91 22 20871200 - 1400
Fax	+91 22 27612100 :::AOH :0091 9821214367
Email	mail@rxmarine.com
Website	www.rxmraine.com

2. Composition / informationon ingredients

Concrete structural units are not considered hazardous as shipped. Dust generated from crushing,
Product Name: Concrete Structural Units
cutting, grinding or drilling hardened concrete may contain amounts of crystalline silica considered hazardous under the OSHA and MSHA Hazard Communication Standards.

Concrete is a mixture is gravel or rock, sand, Portland cement and water. It may also contain fly ahs, slag, silica fume, fibers (organic) and color pigment.

HAZARDOUS COMPONENTS	Percent (By Weight)	CAS Number	OSHA PEL-TWA (mg/m3)	ACGIH TLV-- TWA (mg/m3)	MSHA PEL-TWA (mg/m3)
Crystalline Silica	1%	14808-60-7	(10)/(%SiO2 + 2)(R) (30)/(%SiO2 + 2)(T)	.025 (R)	10)/(%SiO2 + 2)(R)
Portland Cement	5-10	65997-15-1	(5) (R) ; (15) (T)	1 (R)	(10)
Calcium Hydroxide	15-25	1305-62-0	(5) (R) ; (15) (T)	5 (T)	(5)

Notes: 1. Concrete contains No Asbestos.
2. (T)= Total Particulate
3. (R)= Respirable Particulate

For the full text of the H-Statements mentioned in this Section, see Section 16.

3. Hazards Identification

HAZARD STATEMENT	Concrete structure itself is not hazardous. Odorless, gray, solid or hollow concrete objects of various shapes. Non-flammable product. Exposure to dust may cause respiratory irritation. Repeated or prolonged exposure to dust can damage lungs if inhaled. Exposure to crystalline silica dust can cause Silicosis, a form of lung cancer. Exposure to dust may cause irritation to skin or contact dermatitis. Exposure to dust can cause irritation to eyes.
PREVENTION STATEMENT	Do not eat, drink or use tobacco when using this product. Do not chip, grind or break product to create dust. Do not breathe dust created. Wear respiratory protection, protective gloves and eye/face protection if large amounts of dust are created. Wash exposed skin thoroughly until dust is removed. Flush eyes for 15 minutes. It irritation persists, seek medical attention.
RESPONSE	If concerns or exposure occurs, seek medical attention.

STORAGE	Prevent rolling, falling or tip over.
DISPOSAL	Dispose of structure or parts thereof in accordance with state and local regulations.

4. First Aid Measures

INHALATION	Move exposed individual to fresh air. Dust in throat and nasal passages should clear naturally by coughing, sneezing and nasal discharge. Obtain medical attention if symptoms persist or develop later.
EYE CONTACT	After inhalation: fresh air. Call in physician.
SKIN CONTACT	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin withwater/ shower.
INGESTION	After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

5. Fire-fighting Measures

FLASH POINT	**FLAMMABLE LIMITS**
Not combustible	Not applicable
EXTINGUISHING AGENTS	Not combustible. Use extinguishing agent appropriate for surrounding flammable materials.
UNUSUAL FIRE AND EXPLOSION HAZARDS	Spalling of hardened concrete may occur under conditions of intense heat.

6. Accidental Release Measures

PERSONAL PRECAUTIONS	If large amounts of dust have been generated, eye protection and appropriate respiratory protection should be used to protect cleanup personnel against dust.
SPILL AND LEAK PROCEDURES	Do not dry sweep broken, dusty material. Use water spray to minimize dust or vacuum with HEPA filters

7. Handling and Storage

Precautions for safe handling	Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.
Advice on protection against fire and explosion	Keep away from open flames, hot surfaces and sources of ignition.Take precautionarymeasures against static discharge.
Hygiene measures	Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance. For precautions see section 2.2.
Specific end use(s)ons for safe storage, including any incompatibilities	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls and personal protection

Control parameters

Components with workplace control parameters	Contains no substances with occupational exposure limit values.

Exposure controls

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection	Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approvedunder appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (withouttouching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves afteruse in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection	Complete suit protecting against chemicals, The type of protective equipment must be selected according tothe concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	Required when vapours/aerosols are generated.Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type ABEK The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.These measures have to be properly documented.
Control of environmental exposur	Do not let product enter drains. Risk of explosion.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Color	Colorless
Odour	Pleasant, aromatic
Melting point/freezing point	Melting point/range: -73 °C
Initial boiling point and boiling range	88,6 °C at 1.013,25 hPa
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	Upper explosion limit: 8 %(V) Lower explosion limit: 1,8 %(V)
Flash Point	5 °C - closed cup
Autoignition temperature	460 °C at 1.013 hPa
Decomposition temperature	No data available
pH	No data available
Viscosity	Viscosity, kinematic: 0,6 mm2/s at 20 °C0,475 mm2/s at 40 °C Viscosity, dynamic: 0,602 mPa.s at 20 °C
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Vapor pressure	92,27 hPa at 28,12 °C
Density 0,872 g/cm3 at 20 °C	0,872 g/cm3 at 20 °C
Relative density	No data available
Relative vapor density	No data available
Explosive properties	No data available
Oxidizing properties	
Other safety information	No data available
Relative vapor density	3,53 - (Air = 1.0)

10. Stability and reactivity

STABILITY	Stable.
INCOMPATIBILITY	Strong acids may etch concrete.
HAZARDOUS DECOMPOSITION PRODUCTS	None.
HAZA RDOUS POLYMERIZATION	Does not polymerize.

CONDITIONS TO AVOID	Avoid contact with strong acids.

11. Toxicological information

	Standard animal toxicity data (e.g. LD50, LC50) are not available for quartz. Epidemiologic studies of workers indicate an increased risk of lung cancer from chronic exposure to respirable crystalline silica; this effect was more pronounced in those with silicosis. However, many of the studies did not account for effects of smoking or other confounding exposures.
ACUTE TOXICITY DATA	Epidemiologic studies have linked crystalline silica exposure with autoimmune diseases and kidney disorders. Individuals with silicosis show a higher incidence of scleroderma, a thickening of the skin. Current data have not shown a definite causal effect between these effects and exposure to respirable crystalline silica. In laboratory animal tests, dust containing newly broken particles of respirable silica particles caused greater lung injury than equal exposures to particles aged for sixty days or more.

12. Ecological information

ECOLOGICAL DATA

Generally considered chemically inert in the environment.

13. Disposal considerations

WASTE DISPOSAL

Dispose of waste product and unused product in compliance with federal, state and local requirements. Used material which has become contaminated, may have significantly different characteristics based on the contaminant and should be evaluated accordingly.

14. Transport information

DOT HAZARD CLASS	None.
DOT PLACARD	None.

15. Regulatory information

US FEDERAL REGULATIONS

OSHA/ MSHA HAZARD COMMUNICATION	This product is considered by OSHA/ MSHA to a hazardous chemical and should be included in the employer's hazard communication program.
SARA 313	Not applicable.
CERCLA 103	Not applicable.
RCRA HAZARDOUS WASTE	Waste is not hazardous according to 40 CFR 261.
California Proposition 65	Crystalline silica (airborne particles of respirable size) is a substance known y the State of California to cause cancer.

STATE REGULATIONS

COMPONENT	STATE REGULATORY LISTS
Crystalline Silica, quartz 14808-60-7	CA, FL, MA, MN, NJ, PA

16. Other information

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and weassume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages. DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.