

Revised : 22/08/2006

Supersedes : 06/12/2005

MEYCO® MP320

HD-MEYCO MP320

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKINGProduct Information

Product name MEYCO® MP320

Use of the Substance/Preparation

Recommended use Solvent-free, low viscosity, hydrophilic grout for rock injection and consolidation of sand and silt strata

Manufacturer, importer, supplier

Company UGC International, Division of BASF Construction Chemicals (Switzerland) Ltd , Vulkanstrasse 110, 8048 Zurich, Switzerland, Tel.: +41 58 958 22 11, Fax: +41 58 958 34 10, www.ugc.basf.com

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e-mail: fire.department@basf.com**2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature of the preparation Aqueous suspension of amorphous silicon dioxide

<u>Hazardous components</u>	<u>CAS-Nr.</u>	<u>Weight %</u>	<u>OEL*, mg/m³</u>
n.a.	-	-	-

* Occupational Exposure Limit, mg/m³**3. HAZARDS IDENTIFICATION**

Not classified as hazardous according to directive 1999/45/EC

4. FIRST AID MEASURES

- Eye contact Remove eye lenses immediately. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Skin contact Remove contaminated clothing immediately. Wash affected area with soap and plenty of water. Get medical attention if irritation persists.
- Inhalation Not a normal route of exposure. Remove affected person to fresh air. In case of breathing difficulty or distress, get medical attention.
- Ingestion Rinse mouth immediately with plenty of water. If accidentally swallowed drink plenty of water and obtain medical attention. Induce vomiting only on the advice of physician.

5. FIRE-FIGHTING MEASURESExtinguishing media

- Suitable extinguishing media Water spray, foam, carbon dioxide, dry powder

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- Extinguishing media which must not be used for safety reasons Specific methods	High volume water jet	
Special protective equipment for firefighters Under fire conditions:	Cool containers exposed to fire with water spray. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Use self-contained breathing apparatus for fire fighting. This product is an aqueous solution and non combustible.	
6. ACCIDENTAL RELEASE MEASURES		
Personal precautions	Use personal protective equipment. See # 8. Ensure adequate ventilation.	
Environmental precautions	Do not discharge product into drains, surface and/or ground waters or onto surface soils.	
After spillage/leakage/gas leakage	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically and collect in suitable container for disposal . Dispose as per 13.	
7. HANDLING AND STORAGE		
<u>Handling</u> Technical measures/Precautions	Observe the usual precautions when handling chemicals. Provide adequate ventilation or air evacuation at workplace. Keep in original container Keep containers tightly closed and dry.	
<u>Storage</u> Technical measures/Storage conditions	Store in original container. Store in cool, dry place. Do not store in direct sunlight. Protect against frost.	
Incompatible products	Avoid contact with reactive metals (mild steel, iron, zinc, aluminium). Contact with acids causes product to gel.	
Storage class (VCI)	13	
Protection against fire and explosion	This product is an aqueous solution and non combustible.	
8. EXPOSURE CONTROLS / PERSONAL PROTECTION		
Exposure limit(s)	4 mg/m ³ for respirable dust (as amorphous silica)	
Engineering measures	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.	
<u>Personal protective equipment</u>		
- Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment : masks / respirators (filter P2, EN 143)	
- Hand protection	Gloves: latex / rubber (NR, EN 374)	
- Eye protection	Safety goggles / face shield	
- Skin and body protection	Overall for light duty chemicals, Class I, Type 3 (against pulverizations, EN 468)	

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Hygiene measures	Observe the usual precautions when handling chemicals. Wash hands before breaks and after finishing work. Change contaminated clothes immediately. Do not eat, drink or smoke at workplace.	
9. PHYSICAL AND CHEMICAL PROPERTIES		
Form	liquid	
Colour	whitish , transparent	
Odour	odourless	
Density	1.3 kg/l (20° C)	
pH	9.5 - 9.8 (20° C)	
Solubility	suspension	
Viscosity	~ 10 mPa.s (20° C)	
Other data	This product is an aqueous solution and non combustible.	
10. STABILITY AND REACTIVITY		
Stability	Stable under normal storage and application temperatures.	
Materials to avoid	Avoid contact with reactive metals (mild steel, iron, zinc, aluminium). Contact with acids causes product to gel.	
Hazardous decomposition products	None known	
11. TOXICOLOGICAL INFORMATION		
Information given is based on data on the components and the toxicology of similar products		
Component:	amorphous silica, CAS Nr. 7631-86-9	
<u>Acute toxicity</u>		
LD50/oral/rat =	> 2000 mg/kg	
Sensitisation	No sensitization effects known.	
Eye irritation	slightly irritant	
Skin irritation	slightly irritant	
12. ECOLOGICAL INFORMATION		
Information given is based on data on the components and the ecotoxicology of similar products		
Component:	amorphous silica, CAS Nr. 7631-86-9	
LC50/96h/Brachydanio rerio	> 5000 mg/l (IUCLID)	
EC50/48h/green algae =	440 mg/l (Selenastrum capricornutum)	
Further information on ecology	Do not discharge product into drains, surface and/or ground waters or onto surface soils.	
Water pollution class	German WPC (water pollution class) = 1 (low hazard to water)	
13. DISPOSAL CONSIDERATIONS		
Waste from residues	Eliminate the product and its package in agreement with the local legislation. The end user of the product is responsible for the waste (product and package). May be under observance of local regulations, admitted into sewage treatment plant, or incinerated in suitable plant.	
Waste disposal number	After neutralization the unused product can be disposed off as 16 03 04 (unused inorganic wastes other than 16 03 03)	

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14. TRANSPORT INFORMATION

Road/rail transport

ADR/RID

Sea transport IMDG

Air transport ICAO-TI and IATA-DGR

IATA-DGR

Other information

This product is not classed as a dangerous good in any transport regulation.

15. REGULATORY INFORMATION

Labelling

Labelling according to EU directives concerning preparations: No hazard symbol required. This product is not a dangerous preparation.

Symbol(s):

none

R-phrase(s)

none

S-phrase(s)

none

16. OTHER INFORMATION

Approved:

DEA

Checked:

DEA

REMARKS:

This data sheet conforms to standards defined by directives 91/155 & 93/112/EEC
Data sheet required pursuant to Art.10 of directive 88/379/EEC.
The information in this Data Sheet applies only to the products designated herein and produced or supplied by us. It is based on our experience and on the data available to us at the time of its issue and is accurate to the best of our knowledge.