

MATERIALS SAFETY DATA SHEET
for
Cyber Cement Ionoglass 9 Liquid

SECTION 1: Identification of Product and Company

Trade name & Synonyms: Cyber Cement Ionoglass 9 - 9006201
Chemical Name & Synonyms: POLY (ACRYLIC ACID)
Chemical Family: POLY (CARBOXYLIC ACID)
Proper DOT Shipping Name: POLY (CARBOXYLIC ACID AQUEOUS SOLUTION)
Formula: $(CH_2.CH.COOH)_n - PAA$
DE Healthcare Products
Gillingham ME8 0SB UK
UK 01634878750
Emergency #: Chemtrec US (800) 424-9300
International: 001 703-527-3887
Fax +44 (0) 1634 87 87 51

email: info@cybertechbrand.com

Issue Date: November 29, 2009

SECTION 2: Composition/Information on Ingredients

Principal Hazardous Components

Polyacids

Water

Percent Threshold Limit Values (units)

40,0 LD₅₀(RAT) 2000 mg/kg

60,0

SECTION 3: Hazards Identification

OSHA Permissible Exposure limit: N/A
Carcinogen - NIP program: N/A
ACGIH Threshold Limit Value: LD₅₀(RAT) >200 mg/kg
Carcinogen- IARC Program: N/A
Medical Conditions Aggravated by Exposure: NONE
Primary routes of entry: EYES, SKIN, MOUTH

Symptoms of exposure:

Slight irritation (redness) upon repeated or prolonged contact with skin. More sensitive to eyes.

SECTION 4: First Aid Measures

Emergency first aid:

OBTAIN MEDICAL ATTENTION IMMEDIATELY - IN THE MEANTIME, IN THE CASE OF CONTACT, WASH THOROUGHLY WITH WATER. IN THE CASE OF INGESTION, DO NOT MAKE THE CASUALTY VOMIT. IF UNCONCIOUS, DO NOT GIVE ANY THING BY MOUTH. IF CONSCIOUS, RINSE OUT THE MOUTH WITH WATER. GIVE 1 PINT OF WATER TO DRINK IMMEDIATELY AND REPEATED DRINKS AT THE RATE OF 1/3 PINT EVERY 10 MINUTES.

SECTION 5: Fire Fighting Measures

Flash point (test Method) >100°C

Flammable Limits N/A
Extinguishing media FOAM, DRY POWDER, WASTE SPRAY/FOG
Auto Ignition Temperature: N/A
LEL UEL
Unusual fire & Exposure hazards: NONE

Special Fire Fighting Procedures:

As with all fires involving chemical, chemical resistant protective suit, suitable gloves & boots and self contained breathing apparatus should be worn.

SECTION 6: Accidental Release Measures

Spill response:

Dry, mop, and then clean with water. Use protective clothing.
DO NOT HANDLE WITH BARE HANDS.

Waste Disposal Method:

Do not flush into surface water or sanitary sewer system.

SECTION 7: Handling and Storage

Eye protection: None Required, However, do not expirate bottle towards eyes.
Skin protection: Gloves
Other protection: None
Ventilation Recommended: NORMAL CONDITIONS
Respiratory Protection (Type): NONE

SECTION 8: exposure controls/Personal Protection

Hygienic practices in handling & storage: KEEP LID TIGHTLY ON AT ALL TIMES
Precautions for repair & maintenance of contaminated equipment: NONE
Other Precautions: NONE

SECTION 9: Physical and Chemical Properties

Boiling Point (°F): >100°C
Vapour pressure (mm Hg): NONE
Vapour density (Air=1): NONE
Solubility in water: VERY SOLUBLE
Appearance & odour: COLOURLESS, FAINT ODOUR
Specific Gravity (H₂O=1) = 1.3 g/cm³
Percent Volatile (w/w %): 60 (WATER)
Evaporation Rate: NOT DETERMINED
pH 1.4

SECTION 10: Stability and Reactivity

Stability (Unstable/stable): STABLE
Incompatibility: NONE
Hazardous Polymerization: NONE
Hazardous decomposition Products: CO, CO₂
Conditions to Avoid: > 40°C
Materials to Avoid: REACTIVE MATERIALS, e.g. metals, peroxides, etc
Other Conditions to Avoid: NONE

SECTION 11: Toxicological Information

Acute toxicity:

Primary irritant effect:

On the skin: Irritant to skin and mucous membranes.

On the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

SECTION 12: Ecological Information

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposable considerations

Product:

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport Information

DOT Regulations:

NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS

Land transport ADR/RID (cross-border):

ADR/RID class: N/A

Maritime transport IMDG:

IMDG Class: N/A

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: N/A

SECTION 15: Regulatory Information

Sara

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): 7732-18-5 Distilled water

Proposition 65

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenicity categories

EPA (Environmental Protection Agency): None of the ingredients is listed.

IARC (International Agency for Research on Cancer)9003-01-4 Polyacrylic acid

NTP (National Toxicology Program): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

MAK (German Maximum Workplace Concentration): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

Product related hazard information:

The product has been classified and marked in accordance with directives on hazardous materials.

Hazard symbols:

Irritant

Risk phrases:

Irritating to eyes, respiratory system and skin.

Safety phrases:

Keep out of the reach of children.

Do not breathe gas/fumes/vapour/spray.

Avoid contact with eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed, seek medical advice immediately and show this container or label.

Dispose of this material and its container at hazardous or special waste collection point

National regulations:

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

SECTION 16: Other Information

None

CAUTION: PRODUCT FOR PROFESSIONAL USE

The information on this safety sheet is based on presently available data and to our best knowledge for the correct handling of the product under normal conditions. Any use of this product in any way not indicated on this sheet or use of this product together with any other process/procedure will be exclusively under the user's responsibility.

MATERIALS SAFETY DATA SHEET
for
Cyber Cement Ionoglass 9 Powder

SECTION 1: Identification of Product and Company

Trade name: Cyber Cement Ionoglass 1 - 9006201
Chemical Name & Synonyms: BARIUM ALUMINOSILICATE
Chemical Family: ACID-DEGRADABLE ALUMINOSILICATE

DE Healthcare Products
Gillingham ME8 0SB UK

UK 01634878750
Emergency #: Chemtrec US (800) 424-9300
International: 001 703-527-3887
Fax +44 (0) 1634 87 87 51

email: info@cybertechbrand.com

Issue Date: November 29, 2009

SECTION 2: Composition/Information on Ingredients

Principal Hazardous Components:
Barium, Strontium aluminosilicate glasses powder Dried poly (acrylic acid)
Miscellaneous initiators
Percent Threshold Limit Values (units):
90 LD₅₀ > 5000 mg/kg
10 LD₅₀ > 5000 mg/kg

SECTION 3: Hazards Identification

OSHA Permissible Exposure limit N/A
Carcinogen - NIP program N/A
ACGIH Threshold Limit Value: N/A
Carcinogen - IARC Program: N/A
Symptoms of exposure IRRITATION TO SKIN & EYES
Primary routes of entry INGESTION & INHALATION
Medical Conditions Aggravated by Exposure: NONE

SECTION 4: First Aid Measures

Emergency first aid:
UPON PROLONGED CONTACT WITH SKIN OR CONTACT WITH EYES, RINSE WITH PLENTY OF WATER. SEEK MEDICAL HELP IF DISCOMFORT CONTINUES. IF INGESTED, SEEK MEDICAL HELP IMMEDIATELY

SECTION 5: Fire Fighting Measures

Flash point (test Method) N/A
Flammable Limits N/A
Extinguishing media WATER, WATER SPRAY, DRY POWDER FOAM,
CO₂

Unusual fire & exposure hazards None

Special Fire Fighting Procedures:

USE EXTINGUISHING METHOD & MEDIA SUITABLE TO SURROUNDING FIRE

SECTION 6: Accidental Release Measures

Spill response:

SWEEP, THEN MOP DRY WITH WATER. DO NOT USE BARE HANDS. WATCH OUT FOR ITS DUST HAZARDS

Waste Disposal Method:

DO NOT FLUSH INTO SURFACE WATER OR SANITARY SEWER SYSTEM

SECTION 7: Handling and Storage

Eye protection	N/A
Skin protection	WEAR GLOVES
Other protection	NONE
Ventilation Recommended	N/A
Respiratory Protection (type)	N/A

SECTION 8: exposure controls/Personal Protection

Hygienic practices in handling & storage:

HANDLE WITH GLOVES. ALWAYS STORE WITH LID ON

Precautions for Repair & Maintenance of Contaminated Equipment	N/A
Other Precautions:	NONE

SECTION 9: Physical and Chemical Properties

Boiling Point (°F)	N/A
Vapour pressure (mm Hg)	N/A
Vapour density (Air=1)	N/A
Solubility in water	10-WT% (DRY ACID CONTENT)
Appearance & odour	OFF-WHITE FINE POWDER
Specific gravity (H ₂ O=1)	N/A
Percentage volatile (v/v %)	N/A
Evaporation rate	N/A
pH	N/A

SECTION 10: Stability and Reactivity

Stability (unstable/stable)	STABLE
Incompatibility	EUGENOL PRODUCTS
Hazardous polymerization:	NONE
Hazardous decomposition products	NONE
Conditions to Avoid:	> 25°C (77°F)
Materials to Avoid:	WATER
Other Conditions to Avoid:	NONE

SECTION 11: Toxicological Information

Acute toxicity:

Primary irritant effect:

On the skin: No irritant effect.
On the eye: No irritating effect.
Sensitization: No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

SECTION 12: Ecological Information

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposable considerations

Product:

Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport Information

Sea Transportation

IMDG Class: Marine pollutant: No

Air Transportation

ICAO/IATA Class Not applicable

Transportation by Road/Railway

RID/ADR Class N/A

SECTION 15: Regulatory Information

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Section 355 (extremely hazardous substances): None of the ingredient is listed.
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Proposition 65

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Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.
Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenicity categories

EPA (Environmental Protection Agency): None of the ingredients is listed.
IARC (International Agency for Research on Cancer): 9003-01-4 Polyacrylic acid 3
NTP (National Toxicology Program): None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.
MAK (German Maximum Workplace Concentration): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.
OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

Product related hazard information:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

National regulations:

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

SECTION 16: Other Information

None

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