Material Safety Data Sheet

1. Product and Company Identification

Product Code.....BC-007
Product Name....Triple Seven Bond Coat

Manufacturer .....BRICKFORM, A Division of Solomon Colors, Inc.
Address .....360 S Lilac Avenue
City, State, Zip.... Rialto, CA 92376

Emergency Phone 800-373-7542
Business Phone.....909-484-3399
Business Fax.....217-744-2605

Last Updated ..... July 02, 2013

Health: .....[1]
Flammability:.....[0]
Reactivity:.....[0]

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 CHEMICAL CHARACTERIZATION (PREPARATION):

Chemical characteristics
Polymeric dispersion of copolymers of acrylic acid ester and styrene in water

2.2 INFORMATION ON INGREDIENTS:

Type	CAS No.	Substance	Content [wt. %] Lower	Upper
INHA	9043-30-5	alpha-iso-tridecyl-omega-hydroxy polyglycolether	1.0	5.0

Type: HYD - by-product upon hydrolysis, INHA - ingredient, NEBE - by-product, MONO - residual monomer, VERU - impurity, VUL - by-product upon vulcanization. *** Note: C1 - IARC carcinogen, C2 - NTP carcinogen, C3 - OSHA carcinogen, NH - non-hazardous, R - reproductive toxin. Due to the physical nature of this material (liquid), exposure to dusts/particulates is not expected.

Substances listed in the Subsections “HAPS” and “California Proposition 65 Carcinogens / Reproductive Toxins” that are not listed in Section 2 are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product.

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3. HAZARDS IDENTIFICATION

3.1 HAZARDS CLASSIFICATIONS:

HMIS® rating (product as packaged):
Health: 1 Fire: 0 Reactivity: 0 PPE: B

Hazardous Materials Identification System and HMIS are registered trademarks of the National Paint and Coatings Association. (HMIS codes are based on contact with the product as packaged and any hydrolysis by-products, if present.)

Canadian WHMIS Classification: None.

3.2 EMERGENCY OVERVIEW AND POTENTIAL HAZARDS:
This material is not hazardous under OSHA criteria. This material is not hazardous under WHMIS criteria.

Physical Hazards: No known physical hazards.

Acute health effects

Route of entry or possible contact: Eyes , skin , inhalation , ingestion

Eye contact: May cause slight eye irritation.

Skin contact: May cause slight skin irritation.

Inhalation: No acute toxic effects are expected.

Ingestion: Not expected in industrial use.

Additional information on acute health effects: odorless

3.3 FURTHER INFORMATION:
Chronic health effects: none known
Medical conditions which may be aggravated by exposure: unknown

Carcinogens/Reproductive toxins:
There are no carcinogenic ingredients present at or over 0.1% in this material. This material does not contain any reproductive toxins at or above OSHA or WHMIS reportable levels. See Section 11 for Toxicological Information, if any.

4. FIRST AID MEASURES

4.1 GENERAL INFORMATION:
In cases of sickness seek medical advice (show label or SDS if possible).

4.2 AFTER INHALATION:
No special measures required.

4.3 AFTER CONTACT WITH THE SKIN:
If contact with skin, wash skin with plenty of water or with water and soap. Get medical attention if irritation occurs.

4.4 AFTER CONTACT WITH THE EYES:
If contact with eyes, immediately flush eyes with plenty of water. Get medical attention if irritation occurs.

4.5 AFTER SWALLOWING:
If swallowed, induce vomiting. Get medical attention if symptoms occur. Show label if possible.

5. FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES: METHOD
Flash point: ..... not applicable
Boiling point / boiling range:..... approx. 100 °C (212 °F) at 1013 hPa
Lower explosion limit (LEL): ..... not applicable
Ignition temperature: ..... not applicable

5.2 FIRE AND EXPLOSION HAZARDS:
Material does not burn. Dried up material is combustible. This material does not present any unusual fire or explosion hazards.

5.3 RECOMMENDED EXTINGUISHING MEDIA:
Use extinguishing measures appropriate to the source of fire. Water may be used to cool tanks and structures adjacent to the fire.

5.4 UNSUITABLE EXTINGUISHING MEDIA:
Not applicable

5.5 SPECIAL EXPOSURE HAZARDS ARISING FROM THE SUBSTANCE OR PREPARATION ITSELF, COMBUSTION PRODUCTS, RESULTING GASES:
Hazardous combustion products: carbon monoxide and carbon dioxide .

5.6 FIRE FIGHTING PROCEDURES:
Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 PRECAUTIONS:
Wear personal protection equipment (see section 8). If material is released indicate risk of slipping.

HAZWOPER PPE Level: D

6.2 CONTAINMENT:
Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth). Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

6.3 METHODS FOR CLEANING UP:
Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean up with plenty of water. Dispose of cleansing water in accordance with local/state/federal regulations.

7. HANDLING AND STORAGE

7.0 GENERAL INFORMATION:
No special protective measures **required.**

7.1 HANDLING
Precautions for safe handling:
Spilled substance increases risk of slipping.
Precautions against fire and explosion:
No special precautions against fire and explosion required.

7.2 STORAGE
Conditions for storage rooms and vessels:
Protect against frost.

ADVICE FOR STORAGE OF INCOMPATIBLE MATERIALS:
Not applicable.

FURTHER INFORMATION FOR STORAGE:
Not applicable.

Minimum temperature allowed during storage and transportation: 0° C (32° F)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS
Ventilation:
Use with adequate ventilation.

Local exhaust:
Not necessary

8.2 ASSOCIATE SUBSTANCES WITH SPECIFIC CONTROL PARAMETERS SUCH AS LIMIT VALUES
None known

8.3 PERSONAL PROTECTION EQUIPMENT (PPE)
Respiratory protection:
Not necessary

Hand protection:
Recommendation: rubber gloves .

Eye protection:
Chemical safety goggles

Other protective clothing or equipment: Not necessary

8.4 GENERAL HYGIENE AND PROTECTION MEASURES:
Do not eat or drink when handling. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE
Physical state / form: .....liquid
Color: .....white
Odor: .....slight

9.2 SAFETY PARAMETERS METHOD
Melting point / melting range:.....approx. 0.00° C (32° F)
Boiling point / boiling range: .....approx. 100° C (212° F) at 1013 hPa
Flash point: .....not applicable
Ignition temperature: .....not applicable
Lower explosion limit (LEL): .....not applicable
Vapor pressure: .....23 hPa at 20° C (68° F)
Density: .....approx. 1.03 g/cm3 at 20 °C (68 °F) (DIN 51757)
Water solubility / miscibility:.....moderately soluble
pH-Value: .....approx. 7.5

VOC:.....0 grams/liter

10. STABILITY AND REACTIVITY

10.0 GENERAL INFORMATION:
If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.1 CONDITIONS TO AVOID:
None known.

10.2 MATERIALS TO AVOID:
None known.

10.3 HAZARDOUS DECOMPOSITION PRODUCTS:
If stored and handled in accordance with standard industrial practices and local regulations where applicable:
None known.

10.4 FURTHER INFORMATION:
Hazardous polymerization cannot occur.

11. TOXICOLOGICAL INFORMATION

11.1 GENERAL INFORMATION:
Toxicological testing has been conducted with this material.

11.2 TOXICOLOGICAL DATA:
Acute toxicity (LD50/LC50-values relevant to classification):
Exposition Value/value range Species Source
oral > 5000 mg/kg rat test report
Primary irritation:
Exposition Effect Species/Testsystem Source
to skin mildly irritating rabbit test report
to eyes mildly irritating rabbit test report

12. ECOLOGICAL INFORMATION

12.1 INFORMATION ON ELIMINATION (PERSISTENCE AND DEGRADABILITY)
Further information:
Polymer component: Elimination by adsorption to activated sludge.

Further information:
No adverse effects expected.

12.2 ECOTOXICOLOGICAL EFFECTS:
Species Test method Exp. time Result Source
ide (Leuciscus idus) acute 48 h 2500 mg/l (LC100) test report
ide (Leuciscus idus) acute 48 h 1800 mg/l (LC50) test report
ide (Leuciscus idus) acute 48 h 1250 mg/l (LC0) test report
No expected damaging effects to aquatic organisms.

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):
According to current knowledge adverse effects on water purification plants after adaptation are not expected.

12.3 ADDITIONAL INFORMATION

Other harmful effects

General information:
According to our present knowledge no further data known. Prevent material from entering surface waters and soil. Only introduce into water purification plants in diluted state. No environmental problems expected if handled and treated in accordance with standard industrial practices and local regulations where applicable.

13. DISPOSAL CONSIDERATIONS

13.1 PRODUCT DISPOSAL
Recommendation:
Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations. After chemical deflocculation: Can be stored with domestic waste. Observe local/state/federal regulations.

13.2 PACKAGING DISPOSAL
Recommendation:
Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

Recommended cleaning agent:
Water

14. TRANSPORT INFORMATION

14.1 US DOT & CANADA TDG SURFACE
Valuation: .....Not regulated for transport
Other Information: .....Protect from freezing.

14.2 TRANSPORT BY SEA IMDG-CODE
Valuation: .....Not regulated for transport
Marine Pollutant:.....no

14.3 AIR TRANSPORT ICAO-TI/IATA-DGR
NOT REGULATED – NOT RESTRICTED

15. REGULATORY INFORMATION

15.1 U.S. FEDERAL REGULATIONS
TSCA inventory status and TSCA information:
This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification: This material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals: This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals: This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class: This product does not present any SARA 311/312 hazards.

SARA 313 Chemicals: This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardous Air Pollutants):
108-05-4 Vinyl acetate
50-00-0 Formaldehyde
112-34-5 Diethyleneglycol monobutyl ether
100-42-5 Styrene

15.2 U.S. STATE REGULATIONS
California Proposition 65 Carcinogens:
50-00-0 Formaldehyde

California Proposition 65 Reproductive Toxins:
This material does not contain any chemicals known to the state of California to cause reproductive effects.

Massachusetts Substance List: This material contains no listed components.
New Jersey Right-to-Know Hazardous Substance List: This material contains no listed components.
Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.
15.3 CANADIAN REGULATIONS
This product has been classified in accordance with the Hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Hazard Classes:
None.

DSL Status:
This material or one or more of its components is not listed on the Canadian Domestic Substances List.

Non-DSL Chemicals:
Canadian Ingredient Disclosure List:
This material contains no listed components.
15.4 Other international regulations

EU Risk Phrases:
R-Phrase Description R- -

EU Safety Phrases:
S-Phrase Description S- -

16. OTHER INFORMATION

16.1 ADDITIONAL INFORMATION:

This Material Safety Data Sheet (MSDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This MSDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used. Vertical lines in the left-hand margin indicate changes compared with the previous version.

16.2 GLOSSARY OF TERMS:

ACGIH - American Conference of Governmental Industrial Hygienists
DOT - Department of Transportation
hPa - Hectopascals
mPa*s - Milli Pascal-Seconds
OSHA - Occupational Safety and Health Administration
PEL - Permissible Exposure Limit
ppm - Parts per Million
SARA - Superfund Amendments and Reauthorization Act
STEL - Short Term Exposure Limit
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
WHMIS - Canadian Workplace Hazardous Materials
Identification System
Flash point determination methods Common name
ASTM D56 Tagliabue (Tag) closed cup
ASTM D92, DIN 51376, ISO 2592 Cleveland open cup
ASTM D93, DIN 51758, ISO 2719 Pensky-Martens closed cup
ASTM D3278, DIN 55680, ISO 3679 Setaflash or Rapid closed cup
DIN 51755 Abel-Pensky closed cup

16.3 CONVERSION TABLE:

Pressure:
Viscosity:
1 hPa * 0.75 = 1 mm Hg = 1 Torr; 1 bar = 1000 hPa
1 mPa*s = 1 Centipoise (Cp)