

Geon™ FB601 Self Bond

Version Number 1.0 Revision Date 03/28/2016

Page 1 of 19 Print Date 03/29/2016

SAFETY DATA SHEET

GeonTM FB601 Self Bond

Section 1. Identification

GHS product identifier GeonTM FB601 Self Bond

Chemical name Mixture CAS number Mixture Other means of identification FO20037763 **Product type** liquid

Relevant identified uses of the substance or mixture and uses advised against

Product use Industrial applications. Plastics.

POLYONE CORPORATION Supplier's details

33587 Walker Road, Avon Lake, OH 44012

1 (440) 930-1000 or 1 (866) POLYONE

Emergency telephone number (with hours of operation)

CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or

accident).

Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

This material is considered hazardous by the OSHA Hazard **OSHA/HCS** status

Communication Standard (29 CFR 1910.1200).

Classification of the substance or

mixture

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

SKIN SENSITIZATION - Category 1 **CARCINOGENICITY - Category 1A**

GHS label elements



Geon™ FB601 Self Bond

Version Number 1.0 Page 2 of 19 Revision Date 03/28/2016 Print Date 03/29/2016

Hazard pictograms :

Signal word : Danger

Hazard statements : Causes serious eye damage.

May cause an allergic skin reaction.

May cause cancer.

Precautionary statements

General : Not applicable.

Prevention: Obtain special instructions before use. Do not handle until all safety

precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Avoid

breathing vapor. Contaminated work clothing must not be allowed out

of the workplace.

Response : IF exposed or concerned: Get medical attention. IF ON SKIN: Wash

with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or physician.

Storage : Store in a well-ventilated place.

Disposal: Dispose of contents and container in accordance with all local,

regional, national and international regulations.

Supplemental label elements : None known. **Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

Substance/mixture: MixtureChemical name: MixtureOther means of identification: FO20037763

CAS number/other identifiers

| Ingredient name | % | CAS number |
|---|----------|------------|
| 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, | 25 - 50 | 68515-48-0 |
| C9-rich | | |
| | | |



Geon™ FB601 Self Bond

 Version Number 1.0
 Page 3 of 19

 Revision Date 03/28/2016
 Print Date 03/29/2016

| Magnesium aluminium silicate | 5 - 10 | 12174-11-7 |
|-------------------------------------|-----------|------------|
| Calcium oxide | 5 - 8.9 | 1305-78-8 |
| Resorcinol | 1 - 1.08 | 108-46-3 |
| Quartz | 0.3 - 1 | 14808-60-7 |
| Diphenyloxide-4,4'-disulfohydrazide | 0.1 - 0.3 | 80-51-3 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

| Eye contact | : | Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. |
|--------------|---|---|
| Inhalation | : | Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Skin contact | : | Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before |



Geon™ FB601 Self Bond

Version Number 1.0 Page 4 of 19 Revision Date 03/28/2016 Print Date 03/29/2016

removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Get medica

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or

waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:

pain watering

redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

Ingestion : Adverse symptoms may include the following:

stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist

immediately if large quantities have been ingested or inhaled.



Geon™ FB601 Self Bond

Version Number 1.0 Revision Date 03/28/2016 Page 5 of 19 Print Date 03/29/2016

Specific treatments : No specific treatment.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO₂.

None known.

Specific hazards arising from the chemical

Hazardous thermal decomposition products

In a fire or if heated, a pressure increase will occur and the container may burst.

May emit Hydrogen Chloride (HCl).

Decomposition products may include the following materials:

carbon dioxide carbon monoxide metal oxide/oxides

Special protective actions for firefighters Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any

personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and selfcontained breathing apparatus (SCBA) with a full face-piece operated

in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

: If specialised clothing is required to deal with the spillage, take note of



Geon™ FB601 Self Bond

Version Number 1.0 Revision Date 03/28/2016 Page 6 of 19 Print Date 03/29/2016

any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated



Geon™ FB601 Self Bond Version Number 1.0 Page 7 of 19 Revision Date 03/28/2016 Print Date 03/29/2016

clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in a well-ventilated place. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|---|--|
| 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich | |
| Calcium oxide | OSHA PEL 1989 (1989-03-01) |
| Carefulli Oxide | PEL: Permissible Exposure Level 5 mg/m3 |
| | OSHA PEL (1993-06-30) |
| | PEL: Permissible Exposure Level 5 mg/m3 |
| | NIOSH REL (1994-06-01) |
| | Time Weighted Average (TWA) 2 mg/m3 |
| | ACGIH TLV (1994-09-01) |
| | TLV-TWA: Threshold Limit Value - Time weighted average PEL: |
| | Permissible Exposure Level 2 mg/m3 |
| Magnesium aluminium silicate | |
| December | OCH A DEL 1000 (1000 03 01) |
| Resorcinol | OSHA PEL 1989 (1989-03-01) DEL: Permissible Expessure Level 45 mg/m² 10 ppm |
| | PEL: Permissible Exposure Level 45 mg/m3 10 ppm Short Term Exposure Limit value for a 15-minute reference |
| | period expressed in parts per million or in mg/m3. 90 mg/m3 20 |
| | ppm |
| | NIOSH REL (1994-06-01) |
| | Time Weighted Average (TWA) 45 mg/m3 10 ppm |



Geon™ FB601 Self Bond

Version Number 1.0 Revision Date 03/28/2016 Page 8 of 19 Print Date 03/29/2016

| | Short Term Exposure Limit value for a 15-minute reference period expressed in parts per million or in mg/m3. 90 mg/m3 20 ppm ACGIH TLV (1996-05-18) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 45 mg/m3 10 ppm TLV-STEL: Threshold Limit Value - Short Time Exposure Level 90 mg/m3 20 ppm |
|---|--|
| Quartz | OSHA PEL 1989 (1989-03-01) Calculated as Quartz PEL: Permissible Exposure Level 0.1 mg/m3 Form: Respirable dust OSHA - PEL Z3 (1997-09-03) Time Weighted Average (TWA) Form: Respirable Time Weighted Average (TWA) 10 mg/m3 Form: Respirable Time Weighted Average (TWA) 30 mg/m3 Form: Total dust NIOSH REL (1994-06-01) Time Weighted Average (TWA) 0.05 mg/m3 Form: Respirable dust ACGIH TLV (2005-12-09) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 0.025 mg/m3 Form: Respirable fraction |
| Diphenyloxide-4,4'-disulfohydrazide | ACGIH TLV (2000-03-01) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 0.1 mg/m3 Form: Inhalable fraction |
| Appropriate engineering controls : Environmental exposure controls : | If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |
| <u>Individual protection measures</u> | |
| Hygiene measures : Eye/face protection : | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Safety eyewear complying with an approved standard should be used |



Geon™ FB601 Self Bond

Version Number 1.0 Revision Date 03/28/2016 Page 9 of 19 Print Date 03/29/2016

when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state liquid [liquid] Color NO PIGMENT Odor Not available. **Odor threshold** Not available. Not available. рH Not available. **Melting point Boiling point** Not available. Flash point Not available. **Burning time** Not available. **Burning rate** Not available.



Geon™ FB601 Self Bond

Version Number 1.0 Page 10 of 19 Revision Date 03/28/2016 Print Date 03/29/2016

Not available. **Evaporation rate** Flammability (solid, gas) Not available.

Lower and upper explosive Lower: Not available. (flammable) limits **Upper:** Not available.

Vapor pressure Not available. Vapor density Not available. **Relative density** Not available. **Solubility** Not available. Solubility in water Not available. Partition coefficient: n-Not available.

octanol/water

Auto-ignition temperature Not available. **Decomposition temperature** Not available. **SADT** Not available.

Dynamic: Not available. Viscosity

Kinematic: Not available.

Section 10. Stability and reactivity

Reactivity No specific test data related to reactivity available for this product or

its ingredients.

Stable under recommended storage and handling conditions (see **Chemical stability**

Section 7).

Possibility of hazardous reactions Under normal conditions of storage and use, hazardous reactions will

Conditions to avoid Keep away from extreme heat and oxidizing agents.

Incompatible materials Avoid contact with acetal homopolymers and acetyl homopolymers

during processing.

Hazardous decomposition

products

Under normal conditions of storage and use, hazardous decomposition

products should not be produced.

Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|-------------|---------|-------------|----------|
| Resorcinol | | | | |
| | LD50 Oral | Rat | 202 mg/kg | - |
| | LD50 Dermal | Rabbit | 3,360 mg/kg | - |



Geon™ FB601 Self Bond

Version Number 1.0 Revision Date 03/28/2016 Page 11 of 19 Print Date 03/29/2016

| | LD50 Dermal | Rabbit | 3,360 mg/kg | - |
|-------------------------------|-------------------|-----------------------|--------------|---|
| | LD50 Dermal | Rabbit | 3,360 mg/kg | - |
| Quartz | | | | |
| Diphenyloxide-4,4'-disulfohyd | lrazide | | | |
| | LD50 Oral | Rat | 2,300 mg/kg | - |
| Calcium oxide | | | | |
| 1,2-Benzenedicarboxylic acid, | di-C8-10-branched | alkyl esters, C9-rich | | |
| | LD50 Oral | Rat | 10,000 mg/kg | - |

Conclusion/Summary : Mixture.Not fully tested.

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|-------------------------|---------------|---------|-------|----------|-------------|
| Resorcinol | Skin - | Rabbit | | 24 hrs | - |
| | Moderate | | | | |
| | irritant | | | | |
| | Skin - Severe | Rabbit | | | - |
| | irritant | | | | |
| | Eyes - Severe | Rabbit | | | - |
| | irritant | | | | |
| | Eyes - Severe | Rabbit | | | - |
| | irritant | | | | |
| 1,2-Benzenedicarboxylic | Eyes - Mild | Rabbit | | | - |
| acid, di-C8-10-branched | irritant | | | | |
| alkyl esters, C9-rich | | | | | |

Conclusion/Summary

Skin: Mixture.Not fully tested.Eyes: Mixture.Not fully tested.Respiratory: Mixture.Not fully tested.

Sensitization

Conclusion/Summary

Skin: Mixture.Not fully tested.Respiratory: Mixture.Not fully tested.

Mutagenicity

Conclusion/Summary: Mixture.Not fully tested.

Carcinogenicity

Conclusion/Summary : Mixture.Not fully tested.

Classification

| | Product/ingredient | OSHA | IARC | NTP |
|--|--------------------|------|------|-----|
|--|--------------------|------|------|-----|



Geon™ FB601 Self Bond

Version Number 1.0 Page 12 of 19 Revision Date 03/28/2016 Print Date 03/29/2016

| name | | |
|---------------------|----|--|
| Magnesium aluminium | 2B | |
| silicate | | |
| Resorcinol | 3 | |
| Quartz | 1 | |

Reproductive toxicity

Conclusion/Summary : Mixture. Not fully tested.

Teratogenicity

Conclusion/Summary : Mixture.Not fully tested.

Specific target organ toxicity (single exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|-------------------------|------------|-------------------|------------------------------|
| Calcium oxide | Category 3 | | Respiratory tract irritation |
| | | | |

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of :

exposure

Not available.

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

pain watering redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:

pain or irritation

redness



Geon™ FB601 Self Bond

Version Number 1.0 Revision Date 03/28/2016 Page 13 of 19 Print Date 03/29/2016

blistering may occur

Ingestion : Adverse symptoms may include the following:

stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary : Mixture.Not fully tested.

General : Once sensitized, a severe allergic reaction may occur when

subsequently exposed to very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of

exposure.

Mutagenicity: No known significant effects or critical hazards.Teratogenicity: No known significant effects or critical hazards.Developmental effects: No known significant effects or critical hazards.Fertility effects: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

| Route | ATE value |
|--------|-----------------|
| Oral | 20,131.6 mg/kg |
| Route | ATE value |
| Dermal | 334,861.5 mg/kg |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|--------|---------|----------|
| | 13/19 | | |



Geon™ FB601 Self Bond

Version Number 1.0 Revision Date 03/28/2016 Page 14 of 19 Print Date 03/29/2016

| Resorcinol | | | |
|---------------|---------------------------------------|------------------------------------|------|
| | Acute LC50 56,500 μg/l Fresh water | Fish - Fish | 96 h |
| | Acute LC50 53,400 μg/l Fresh water | Fish - Fish | 96 h |
| | Acute LC50 49,500 μg/l Fresh water | Fish - Fish | 96 h |
| | Acute LC50 60 mg/l Fresh water | Fish - Fish | 96 h |
| | Acute LC50 40 mg/l Fresh water | Fish - Fish | 96 h |
| | Acute LC50 > 100,000 μg/l Fresh water | Aquatic invertebrates. Daphnia | 48 h |
| | Acute LC50 78,000 μg/l Marine water | Aquatic invertebrates. Crustaceans | 48 h |
| Calcium oxide | water | Crustaceans | |
| | Chronic NOEC 100 mg/l Fresh water | Fish - Fish | 46 d |
| | Chronic NOEC 100 mg/l Fresh water | Fish - Fish | 46 d |
| | Chronic NOEC 100 mg/l Fresh water | Fish - Fish | 46 d |
| | Chronic NOEC 100 mg/l Fresh water | Fish - Fish | 46 d |
| | Chronic NOEC 100 mg/l Fresh water | Fish - Fish | 46 d |

Conclusion/Summary : Not available.

Persistence and degradability

Conclusion/Summary : Not available.

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|------|-----------|
| Resorcinol | 0.8 | 3.16 | low |
| Diphenyloxide-4,4'- | | 3.00 | low |
| disulfohydrazide | | | |
| Calcium oxide | | 2.34 | low |
| 1,2-Benzenedicarboxylic | 8.8 | 3.00 | low |
| acid, di-C8-10-branched | | | |
| alkyl esters, C9-rich | | | |

Mobility in soil

Soil/water partition coefficient : Not available.



Geon™ FB601 Self Bond

Version Number 1.0 Page 15 of 19 Revision Date 03/28/2016 Print Date 03/29/2016

(KOC)

Other adverse effects: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Listed

| Ingredient | CAS# | Status | Reference number |
|------------|----------|--------|------------------|
| Resorcinol | 108-46-3 | Listed | |
| | | | |

Section 14. Transport information

U.S. DOT Classification : Not regulated for transportation.

ICAO/IATA : Consult mode specific transport rules

IMO/IMDG (maritime) : Consult mode specific transport rules

Section 15. Regulatory information

U.S. Federal regulations : United States - TSCA 12(b) - Chemical export notification: None

of the components are listed.

United States - TSCA 4(a) - Final Test Rules: Listed 1,2-

Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich

United States - TSCA 4(a) - ITC Priority list: Not listed



Geon™ FB601 Self Bond

Version Number 1.0 Revision Date 03/28/2016

Page 16 of 19 Print Date 03/29/2016

United States - TSCA 4(a) - Proposed test rules: Not listed United States - TSCA 4(f) - Priority risk review: Not listed United States - TSCA 5(a)2 - Final significant new use rules: Not listed

United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed

United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined

United States - TSCA 8(a) - Preliminary assessment report (PAIR): Listed Diphenvloxide-4,4'-disulfohydrazide

United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed

United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Phenol Vinyl chloride monomer

United States - EPA Clean water act (CWA) section 311 -

Hazardous substances: Listed

United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed

United States - EPA Clean air act (CAA) section 112 - Accidental

release prevention - Toxic substances: Not listed

United States - Department of commerce - Precursor chemical:

Not listed

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 Class I

Substances

Clean Air Act Section 602 Class II

Substances

DEA List I Chemicals (Precursor Chemicals)

DEA List II Chemicals (Essential

Chemicals)

Not listed

Not listed

Not listed

Not listed

Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable



Geon™ FB601 Self Bond

Version Number 1.0 Page 17 of 19 Revision Date 03/28/2016 Print Date 03/29/2016

SARA 311/312

Classification : Immediate (acute) health hazard Delayed (chronic) health hazard

Composition/information on ingredients

| Name | % | Classification |
|---|-----------|----------------|
| Magnesium aluminium silicate | 5 - 10 | СН |
| Resorcinol | 1 - 1.08 | АН |
| Quartz | 0.3 - 1 | СН |
| Diphenyloxide-4,4'- disulfohydrazide | 0.1 - 0.3 | F, AH, CH |
| Calcium oxide | 5 - 8.9 | АН |
| 1,2-Benzenedicarboxylic acid, di- C8-10-branched alkyl esters, C9- rich | 25 - 50 | АН |

SARA 313

Not applicable.

State regulations

Massachusetts : The following components are listed:

Calcium carbonate Calcium oxide Resorcinol

New York : The following components are listed:

Resorcinol

New Jersey : The following components are listed:

Calcium oxide Calcium carbonate Resorcinol

Quartz

Pennsylvania : The following components are listed:

Resorcinol

Calcium oxide

Calcium carbonate

Quartz



Geon™ FB601 Self Bond

Version Number 1.0 Revision Date 03/28/2016 Page 18 of 19 Print Date 03/29/2016

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

United States inventory (TSCA 8b) : All components are listed or exempted.

Canada inventory : All components are listed or exempted.

International regulations

International lists : Australia inventory (AICS): Not determined.

Taiwan inventory (CSNN): All components are listed or exempted.

Malaysia Inventory (EHS Register): Not determined. EINECS: All components are listed or exempted.

Japan inventory: Not determined.

China inventory (IECSC): All components are listed or exempted.

Korea inventory: Not determined.

New Zealand Inventory of Chemicals (NZIoC): Not determined. Philippines inventory (PICCS): All components are listed or

exempted.

Chemical Weapons Convention

List Schedule I Chemicals

Chemical Weapons Convention

List Schedule II Chemicals

Chemical Weapons Convention

List Schedule III Chemicals

Not listed

Not listed

Not listed

Section 16. Other information

History

Date of printing: 03/29/2016Date of issue/Date of revision: 03/28/2016Date of previous issue: 00/00/0000

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Key to abbreviations : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of

Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine

pollution)



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Version Number 1.0 Revision Date 03/28/2016 Page 19 of 19 Print Date 03/29/2016

UN = United Nations

: Not available.

Notice to reader

References

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