



Safety Data Sheet
according to Regulation (EC)
No. 453/2010



1. Identification of the Substance/Mixture and the Company/Undertaking

- | | | | |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|
| 1.1 Product Identifier | 5990A | Revision Date: | 02/06/2015 |
| | Product Name: Stonchem 800 Series Broadcast Resin | Supersedes Date: | 29/05/2015 |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | | | |
| | No Information | | |
| 1.3 Details of the supplier of the safety data sheet | | | |
| Importer: | StonCor Europe 9 Rue du Travail, 1400 Nivelles, Belgium | | |
| Manufacturer: | Stonhard, Division of StonCor Group, Inc. 1000 East Park Avenue Maple Shade, NJ 08052 +1 856 7797500 (US) Regulatory / Technical Information: +32 67493710 Nivelles, Belgium +39 02253751 Cologno Monzese, Italy | | |
| Datasheet Produced by: | Darnell, Benjamin - ehs@stoncor.com | | |
| 1.4 Emergency telephone number: | CHEMTREC +1 703 5273887 (Outside US) | | |

2 Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

HAZARD STATEMENTS

| | |
|----------------------------------------|------|
| Eye Irritation, category 2 | H319 |
| Flammable Liquid, category 3 | H226 |
| STOT, repeated exposure, category 1 | H372 |
| STOT, single exposure, category 3, RTI | H335 |
| Skin Irritation, category 2 | H315 |

Carcinogenicity, category 1A
Other EU extensions

H350-1A
EUH208

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

styrene, mica, quartz (silicon dioxide)

HAZARD STATEMENTS

| | | |
|----------------------------------------|---------|---------------------------------------------------------------------------|
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Flammable Liquid, category 3 | H226 | Flammable liquid and vapour. |
| STOT, repeated exposure, category 1 | H372 | Causes damage to organs through prolonged or repeated exposure. |
| STOT, single exposure, category 3, RT1 | H335 | May cause respiratory irritation. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Carcinogenicity, category 1A | H350-1A | May cause cancer. |
| Other EU extensions | EUH208 | Contains naphthenic acids, cobalt salt. May produce an allergic reaction. |

PRECAUTION PHRASES

| | |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. –No smoking. |
| P260 | Do not breathe the dust/fume/gas/mist/vapours/spray. |
| P264 | Wash hands thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P284 | Wear respiratory protection. |
| P304+340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. |
| P308+313 | IF exposed or concerned: Get medical advice/attention |
| P314 | Get medical advice/attention if you feel unwell. |
| P332+313 | If skin irritation occurs: Get medical advice/attention. |
| P403+233 | Store in a well-ventilated place. Keep container tightly closed. |

2.3 Other hazards

Not applicable

Results of PBT and vPvB assessment

The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

3. Composition/Information On Ingredients

3.2 Mixtures

Hazardous Ingredients

| <u>CAS-No.</u> | <u>EINEC No.</u> | <u>Name According to EEC</u> | <u>%</u> |
|----------------|------------------|-------------------------------|----------|
| 100-42-5 | 202-851-5 | styrene | 25-50 |
| 12001-26-2 | 601-648-2 | mica | 10-25 |
| 13463-67-7 | 236-675-5 | titanium dioxide | 2.5-10 |
| 14808-60-7 | | quartz (silicon dioxide) | 0.1-1.0 |
| 61789-51-3 | 263-064-0 | naphthenic acids, cobalt salt | 0.1-1.0 |
| 121-69-7 | 204-493-5 | n,n-dimethylaniline | 0.1-1.0 |
| 78-83-1 | 201-148-0 | 2-methylpropan-1-ol | <0.1 |

| <u>CAS-No.</u> | <u>REACH Reg No.</u> | <u>CLP Symbols</u> | <u>CLP Hazard Statements</u> | <u>M-Factors</u> |
|----------------|-----------------------|--------------------|------------------------------|------------------|
| 100-42-5 | | GHS02-GHS07-GHS08 | H226-304-315-319-332-335-372 | |
| 12001-26-2 | | GHS07 | H319-335 | |
| 13463-67-7 | 01-2119489379-17-0117 | | | |
| 14808-60-7 | | GHS08 | H350-370 | |
| 61789-51-3 | | GHS07-GHS09 | H317-411 | |
| 121-69-7 | | GHS06-GHS08-GHS09 | H301-311-331-351-411 | |
| 78-83-1 | | GHS02-GHS05-GHS07 | H226-315-318-335-336 | |

Additional Information: The text for CLP Hazard Statements shown above (if any) is given in Section 16.

4. First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: No Information
AFTER INHALATION: No Information
AFTER SKIN CONTACT: No Information
AFTER EYE CONTACT: No Information
AFTER INGESTION: No Information

Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. 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.

4.2 Most important symptoms and effects, both acute and delayed

No Information

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

5. Fire-fighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture

No Information

5.3 Advice for firefighters

No Information

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

No Information

6.2 Environmental precautions

No Information

6.3 Methods and material for containment and cleaning up

No Information

6.4 Reference to other sections

FURTHER INSTRUCTIONS: Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

7. Handling and Storage**7.1 Precautions for safe handling**

No Information
No Information

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: No Information
STORAGE CONDITIONS: No Information

7.3 Specific end use(s)

No specific advice for end use available.

8. Exposure Controls/Personal Protection**8.1 Control parameters**

Ingredients with Occupational Exposure Limits (IR)

| <u>Name</u> | <u>%</u> | <u>LTEL ppm</u> | <u>STEL ppm</u> | <u>STEL mg/m3</u> | <u>LTEL mg/m3</u> | <u>OEL Note</u> |
|-------------------------------|----------|-----------------|-----------------|-------------------|-------------------|-----------------------------------|
| styrene | 25-50 | 20 | 40 | 170 | 85 | |
| mica | 10-25 | | | | 0.8 10 | |
| titanium dioxide | 2.5-10 | | | | 4, 10 | |
| quartz (silicon dioxide) | 0.1-1.0 | | | | 0.1 | |
| naphthenic acids, cobalt salt | 0.1-1.0 | | | | | |
| n,n-dimethylaniline | 0.1-1.0 | 5 | 10 | 50 | 25 | Can be absorbed through the skin. |
| 2-methylpropan-1-ol | <0.1 | 50 | 75 | 225 | 150 | |

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified at the EU level under the dangerous substances and preparations regulation.

8.2 Exposure controls**Personal Protection****RESPIRATORY PROTECTION:** No Information**EYE PROTECTION:** No Information**HAND PROTECTION:** No Information**OTHER PROTECTIVE EQUIPMENT:** No Information**ENGINEERING CONTROLS:** No Information

Chemical Name:

titanium dioxide

EC No.:

236-675-5

CAS-No.:

13463-67-7

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | 700 mg/kg/d |
| Inhalation | | | 10 | | | | | |
| Dermal | | | | | | | | |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|----------|
| Environmental protection target | PNEC |
| Fresh water | 0.127 |
| Fresh water sediments | 1000 |
| Marine water | 1 |
| Marine sediments | 100 |
| Food chain | 1667 |
| Microorganisms in sewage treatment | 100 mg/l |
| soil (agricultural) | 100 |
| Air | |

9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

| | |
|-----------------------------------------------------|----------------|
| Appearance: | N/A |
| Physical State | LIQUID |
| Odor | STYRENE |
| Odor threshold | Not determined |
| pH | N/A |
| Melting point /freezing point (°C) | Not determined |
| Boiling point/range (°C) | 108 - N.D. |
| Flash Point, (°C) | 23 |
| Evaporation rate | Not determined |
| Flammability (solid, gas) | Not determined |
| Upper/lower flammability or explosive limits | N/A - N/A |
| Vapour Pressure | 7 mm |
| Vapour density | 3.6 |
| Relative density | Not determined |
| Solubility in /Miscibility with water | N/A |
| Partition coefficient: n-octanol/water | Not determined |
| Auto-ignition temperature (°C) | Not determined |
| Decomposition temperature (°C) | Not determined |
| Viscosity | N/A |
| Explosive properties | |

Oxidising properties Not determined
Not determined

9.2 Other information

VOC Content g/l: 57
Grams of VOC per liter of coating product as applied (mixture of Part A and Part B) per ASTM D2369 Method E.
Specific Gravity (g/cm³) 1.287

10. Stability and Reactivity

10.1 Reactivity

No Information

10.2 Chemical stability

No Information

10.3 Possibility of hazardous reactions

No Information

10.4 Conditions to avoid

No Information

10.5 Incompatible materials

No Information

10.6 Hazardous decomposition products

No Information

11. Toxicological Information

11.1 Information on toxicological effects**Acute Toxicity:**Oral LD₅₀:Inhalation LC₅₀:

Irritation: No information available.

Corrosivity: No information available.

Sensitization: No information available.

Repeated dose toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

Toxicity for reproduction: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.

Data on individual components are tabulated below.

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|-------------------------------|--------------------------------------|--------------------|-------------------|
| 100-42-5 | styrene | 2650 mg/kg | >2000 mg/kg | 2800 ppm, 4 h |
| 12001-26-2 | mica | >16000 mg/kg | | |
| 13463-67-7 | titanium dioxide | 10000 mg/m ³ , oral (rat) | | |
| 14808-60-7 | quartz (silicon dioxide) | >2000 mg/kg | | |
| 61789-51-3 | naphthenic acids, cobalt salt | 3900 mg/kg, oral, rat | | |

Additional Information:

This product may contain Quartz (silicon dioxide), which is listed by IARC as a known carcinogenic to humans (Group 1). This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities. This product may contain Titanium Dioxide, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

12 Ecological Information

12.1 Toxicity:

| | |
|-----------------------------|----------------|
| EC50 48hr (Daphnia): | No information |
| IC50 72hr (Algae): | No information |
| LC50 96hr (fish): | No information |

12.2 Persistence and degradability:

No information

12.3 Bioaccumulative potential:

No information

12.4 Mobility in soil:

No information

12.5 Results of PBT and vPvB assessment

The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

12.6 Other adverse effects:

No information

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u> |
|----------------|-------------------------------|----------------------------------------------------|------------------|------------------|
| 100-42-5 | styrene | 4.7 mg/l | No information | 4.08 mg/l |
| 12001-26-2 | mica | No information | No information | |
| 13463-67-7 | titanium dioxide | >100 mg/l (EC50, 48h, Daphnia magna OECD 202)ation | No information | >1000 mg/l |
| 14808-60-7 | quartz (silicon dioxide) | No information | No information | |
| 61789-51-3 | naphthenic acids, cobalt salt | No information | No information | |
| 121-69-7 | n,n-dimethylaniline | No information | No information | |
| 78-83-1 | 2-methylpropan-1-ol | No information | No information | |

13. Disposal Considerations

13.1 WASTE TREATMENT METHODS: No Information

| | |
|------------------------------|----------------|
| European Waste Code: | No Information |
| Packaging Waste Code: | 150110 |

14. Transport Information

| | | |
|------|--------------------------------------------------------------------------|----------------|
| 14.1 | UN number | UN1866 |
| 14.2 | UN proper shipping name | RESIN SOLUTION |
| | Technical name | |
| 14.3 | Transport hazard class(es) | 3 |
| | Subsidiary shipping hazard | |
| 14.4 | Packing group | III |
| 14.5 | Environmental hazards | |
| 14.6 | Special precautions for user | Not applicable |
| | EmS-No.: | |
| 14.7 | Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code | Not applicable |

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation for the substance or mixture:

National Regulations:

Denmark Product Registration Number:

Danish MAL Code:

Sweden Product Registration Number:

Norway Product Registration Number:

WGK Class:

Chemical Safety Assessment

15.2 No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16. Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

| | |
|------|-----------------------------------------------------------------|
| H226 | Flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H350 | May cause cancer. |
| H351 | Suspected of causing cancer. |
| H370 | Causes damage to organs. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |

Reasons for revision

This Safety Data Sheet (SDS) has been revised to meet updated national hazard communication standards which have adopted the provisions of the UN GHS system. There have been both formatting and content changes based on the GHS classification (if applicable), Please review each section of the SDS for specific changes. This Safety Data Sheet (SDS) has been revised to meet the new EU CLP requirements. There have been both formatting and content changes based on the CLP classification (if applicable), please review each section of the SDS for specific changes.

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark
 ESIS (The European Chemical Substances Information System), provided by the European Commission
 Joint Research Centre in Ispra, Italy
 Annex VI of the EU Council Directive 67/548/EEC
 Council Directive 67/548/EEC - Annex I or EU Council Directive 1999/45/EC
 European Union (EC) Regulation No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation)
 EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"

Acronym & Abbreviation Key:

| | |
|--------|---------------------------------------------------------------------------------------------------------------|
| CLP | Classification, Labeling & Packaging Regulation |
| EC | European Commission |
| EU | European Union |
| US | United States |
| CAS | Chemical Abstract Service |
| EINECS | European Inventory of Existing Chemical Substances |
| REACH | Registration, Evaluation, Authorization of Chemicals Regulation |
| GHS | Globally Harmonized System of Classification and Labeling of Chemicals |
| LTEL | Long term exposure limit |
| STEL | Short term exposure limit |
| OEL | Occupational exposure limit |
| ppm | Parts per million |
| mg/m3 | Milligrams per cubic meter |
| TLV | Threshold Limit Value |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| OSHA | Occupational Safety & Health Administration |
| PEL | Permissible Exposure Limits |
| VOC | Volatile organic compounds |
| g/l | Grams per liter |
| mg/kg | Milligrams per kilogram |
| N/A | Not applicable |
| LD50 | Lethal dose at 50% |
| LC50 | Lethal concentration at 50% |
| EC50 | Half maximal effective concentration |
| IC50 | Half maximal inhibitory concentration |
| PBT | Persistent bioaccumulative toxic chemical |
| vPvB | Very persistent and very bioaccumulative |
| EEC | European Economic Community |
| ADR | International Transport of Dangerous Goods by Road |
| RID | International Transport of Dangerous Goods by Rail |
| UN | United Nations |
| IMDG | International Maritime Dangerous Goods Code |
| IATA | International Air Transport Association |
| MARPOL | International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 |
| IBC | International Bulk Container |

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.

