SECTION 1: Identification

Identification
Product form: Mixtures
Product name: WEST SYSTEM® 865 G/5® Five-Minute Adhesive Part A Resin
Product code: 865A

Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Epoxy resin

Details of the supplier of the safety data sheet
Manufacturer
Gougeon Brothers, Inc
100 Patterson Ave.
Bay City, MI 48706 - U.S.A.
T 866-937-8797 or 989-684-7286
www.westsystem.com

Emergency telephone number
Emergency number: CHEMTREC 1 (800) 424-9300
CHEMTREC International +1 (703) 527-3887 24 hr

SECTION 2: Hazard(s) identification

Classification of the substance or mixture
Skin Irrit. 2
Eye Irrit. 2A
Skin Sens. 1
Aquatic Chronic 2

Label elements
Hazard pictograms (GHS)
GHS07
GHS09

Signal word (GHS)
Warning

Hazard statements (GHS)
Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS)
Avoid breathing dust, fume, gas, mist, vapours, spray. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves, protective clothing, eye protection, face protection. If on skin: Wash with plenty of soap and water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Other hazards
No additional information available

Unknown acute toxicity
Not applicable

SECTION 3: Composition/information on ingredients

Substance
Not applicable
WEST SYSTEM® 865 G/5® Five-Minute Adhesive Part A Resin
Safety Data Sheet


Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>HPR %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxirane, 2,2'-(1-methyleneidene)bis(4,1-phenyleneoxymethylene)bis-</td>
<td>(CAS No) 25085-99-8</td>
<td>60 - 80</td>
</tr>
<tr>
<td>homopolymer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phenol, polymer with formaldehyde, glycidyl ether</td>
<td>(CAS no) 28064-14-4</td>
<td>10 - 30</td>
</tr>
</tbody>
</table>

The exact chemical identity and/or exact percentage (concentration) of each ingredient may be held as confidential business information (CBI). Any ingredient not disclosed in this section may have been determined not to be hazardous to health or the environment, or it may be present at a level below its disclosure threshold.

SECTION 4: First aid measures

Description of first aid measures

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: May cause respiratory tract irritation.

Symptoms/injuries after skin contact: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

Symptoms/injuries after eye contact: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/injuries after ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

Extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Fire hazard: Products of combustion may include, and are not limited to: oxides of carbon. Phenolics.

Reactivity: No dangerous reaction known under conditions of normal use.

Advice for firefighters

Protection during firefighting: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray or fog for cooling exposed containers.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

For non-emergency personnel
No additional information available

For emergency responders
No additional information available

Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.
WEST SYSTEM® 865 G/5® Five-Minute Adhesive Part A Resin
Safety Data Sheet

Methods and material for containment and cleaning up

For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Scoop up material and place in a disposal container. Provide ventilation.

Reference to other sections
See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking. Contaminated work clothing should not be allowed out of the workplace.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Protect from moisture. Storage temperature : 40°F (4°C) - 120°F (49°C).

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Hand protection : Wear chemically resistant protective gloves.

Eye protection : Wear eye/face protection.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. 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.

Environmental exposure controls : Maintain levels below Community environmental protection thresholds.

Other information : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Viscous liquid
Colour : Colourless
Odour : Mild
Odour threshold : No data available
pH : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : > 400 °F (204°C) (Estimated based on ingredient data)
Flash point : > 200 °F (93°C) (Based on ASTM D92 test results from similar product)
Relative evaporation rate (butylacetate=1) : No data available
WEST SYSTEM® 865 G/5® Five-Minute Adhesive Part A Resin
Safety Data Sheet

Flammability (solid, gas) : Non flammable.
Vapour pressure : No data available
Relative vapour density at 20 °C : < 1 (Estimated based on ingredient data)
Relative density : 1.17
Solubility : No data available
Partition coefficient n-octanol/water : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : > 10000 mm²/s
Viscosity, dynamic : No data available
Explosive limits : No data available
Explosive properties : No data available
Oxidising properties : No data available
Other information
Bulk density : 9.75 lb/gal (1.17 kg/L)

SECTION 10: Stability and reactivity
Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under normal storage conditions.
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use. A mass of more than one pound of product plus an aliphatic amine will cause irreversible polymerization with significant heat buildup. Strong acids, bases, amines and mercaptans can cause polymerization.
Conditions to avoid : Heat. Incompatible materials.
Hazardous decomposition products : May include, and are not limited to: oxides of carbon. Phenolics.

SECTION 11: Toxicological information
Information on toxicological effects

<table>
<thead>
<tr>
<th>Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer (25085-99-8)</th>
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<tr>
<td>LD50 dermal rabbit</td>
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<tr>
<td>LD50 dermal rabbit</td>
</tr>
</tbody>
</table>

Acute toxicity (oral) : Not classified.
Acute toxicity (dermal) : Not classified.
Acute toxicity (inhalation) : Not classified.
Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified.
Carcinogenicity : Not classified.
Reproductive toxicity : Not classified.
STOT-single exposure : Not classified.
STOT-repeated exposure : Not classified.
Aspiration hazard : Not classified.

WEST SYSTEM® 865 G/5® Five-Minute Adhesive Part A Resin
Viscosity, kinematic (calculated value) (40 °C) : > 10000 mm²/s

Symptoms/injuries after inhalation : May cause respiratory tract irritation.
Symptoms/injuries after skin contact : Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
WEST SYSTEM® 865 G/5® Five-Minute Adhesive Part A Resin

Safety Data Sheet


Symptoms/injuries after eye contact: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/injuries after ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Other information: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

Toxicity
Ecology - general: Toxic to aquatic life with long lasting effects.

Persistence and degradability

WEST SYSTEM® 865 G/5® Five-Minute Adhesive Part A Resin
Persistence and degradability: Not established.

Bioaccumulative potential

WEST SYSTEM® 865 G/5® Five-Minute Adhesive Part A Resin
Bioaccumulative potential: Not established.

Mobility in soil

WEST SYSTEM® 865 G/5® Five-Minute Adhesive Part A Resin
Ecology - soil: No additional information available.

Other adverse effects

Effect on the global warming: No known effects from this product.

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

Waste treatment methods

Product/Packaging disposal recommendations: Avoid release to the environment. This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

SECTION 14: Transport information

Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT and TDG
Not regulated

Transport by sea

In accordance with IMDG
UN-No. (IMDG): 3082
Proper Shipping Name (IMDG): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin)
Class (IMDG): 9
Packing group (IMDG): III
Marine pollutant: Yes

Transport by sea

In accordance with IATA
UN-No. (IATA): 3082
Proper Shipping Name (IATA): Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin)
Class (IATA): 9
Packing group (IATA): III
Marine pollutant: Yes
WEST SYSTEM® 865 G/5® Five-Minute Adhesive Part A Resin
Safety Data Sheet


SECTION 15: Regulatory information

Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

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</thead>
<tbody>
<tr>
<td>Listed on the United States SARA Section 302</td>
</tr>
<tr>
<td>Subject to reporting requirements of United States SARA Section 313</td>
</tr>
<tr>
<td>CERCLA RO</td>
</tr>
<tr>
<td>SARA Section 302 Threshold Planning Quantity (TPQ)</td>
</tr>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
</tr>
</tbody>
</table>

International regulations

No additional information available

US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

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<tbody>
<tr>
<td>U.S. - California - Proposition 65 - Carcinogens List</td>
</tr>
<tr>
<td>Yes</td>
</tr>
</tbody>
</table>

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<tr>
<th>Epichlorohydrin (106-89-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List</td>
</tr>
<tr>
<td>U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances</td>
</tr>
<tr>
<td>U.S. - Pennsylvania - RTK (Right to Know) List</td>
</tr>
</tbody>
</table>

SECTION 16: Other information

Date of issue : 08/18/2016
Revision date : 01/25/2019
Other information : None.

NFPA health hazard : 2
NFPA fire hazard : 1
NFPA reactivity : 1

HMIS III Rating
Health : 2 Moderate Hazard
Flammability : 1 Slight Hazard
Physical : 1 Slight Hazard
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