

MATERIAL SAFETY DATA SHEET

Gougeon Brothers, Inc.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:..... G/5® Five-Minute Adhesive - Part B.
PRODUCT CODE:..... 865
CHEMICAL FAMILY:..... Mercaptan.
CHEMICAL NAME:..... Mercaptan polymer.
FORMULA:..... Not applicable.

MANUFACTURER:
West System Inc.
102 Patterson Ave.
Bay City, MI 48706, U.S.A.
Phone: 866-937-8797 or 989-684-7286
www.westsystem.com

EMERGENCY TELEPHONE NUMBERS:
Transportation
CHEMTREC:..... 800-424-9300 (U.S.)
703-527-3887 (International)
Non-transportation
Poison Hotline:..... 800-222-1222

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING May be harmful if swallowed. Causes severe eye irritation. Can cause skin irritation. Can cause respiratory irritation. High viscosity, amber colored liquid with mercaptan odor.

PRIMARY ROUTE(S) OF ENTRY:..... Inhalation, skin contact, eye contact.

POTENTIAL HEALTH EFFECTS:

ACUTE INHALATION:..... Significant exposure to harmful vapors not anticipated under normal use conditions. Can cause irritation to the respiratory tract when exposed to high concentrations of vapor. Mercaptan (sulfur) odor may be a nuisance.

CHRONIC INHALATION:..... Possible respiratory tract irritation. No other long-term adverse effects anticipated under normal use conditions.

ACUTE SKIN CONTACT:..... Slightly irritating. May be more severe with prolonged contact.

CHRONIC SKIN CONTACT:..... Prolonged irritation or rash. May cause severe irritation.

EYE CONTACT:..... Can be severely irritating to eye tissue leading and possible lead to tissue damage.

INGESTION:..... Slightly toxic. May cause gastrointestinal irritation. May be an aspiration hazard.

SYMPTOMS OF OVEREXPOSURE:..... Respiratory tract irritation. Skin irritation. Severe eye irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Existing skin, eye and lung conditions such as that resulting from allergies.

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS#</u>	<u>CONCENTRATION (%)</u>
Mercaptan terminated polymer	Trade Secret (HMIRC #8265)	80-100
Bis(dimethylaminomethyl) phenol	71074-89-0	1-10
Tris-2,4,6- (dimethylaminomethyl) phenol	90-72-2	1-10

4. FIRST AID MEASURES

FIRST AID FOR EYES:..... Immediately flush with water for at least 15 minutes. Get prompt medical attention.

FIRST AID FOR SKIN:..... Remove contaminated clothing. Wipe excess off skin. Wash affected area with soap and water. Get medical attention should irritation develop.

FIRST AID FOR INHALATION:..... Move to fresh air if effects occur.

FIRST AID FOR INGESTION: Give conscious person at least 2 glasses of water. Do not induce vomiting. If vomiting should occur spontaneously, keep airway clear. Get medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT: 495°F (COC)

EXTINGUISHING MEDIA: Water spray, dry chemical, alcohol foam and carbond dioxide (CO₂).

FIRE AND EXPLOSION HAZARDS: During a fire, smoke may contain the original materials in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include, but are not limited to: oxides of nitrogen, carbon monoxide, carbon dioxide, volatile amines, ammonia, nitric acid. When mixed with sawdust, wood chips, or other cellulosic material, spontaneous combustion can occur under certain conditions. If hardener is spilled into or mixed with sawdust, heat is generated as the air oxidizes the amine. If the heat is not dissipated quickly enough, it can ignite the sawdust.

SPECIAL FIRE FIGHTING PROCEDURES: Use full-body protective gear and a self-contained breathing apparatus. Use of water may generate toxic aqueous solutions. Do not allow water run-off from fighting fire to enter drains or other water courses.

6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Stop leak without additional risk. Wear proper personal protective equipment. Dike and contain spill. Ventilate area. Large spill - dike and pump into appropriate container for recovery. Small spill - recover or use inert, non-combustible absorbent material (e.g., sand, clay) and shovel into suitable container. Do not use sawdust, wood chips or other cellulosic materials to absorb the spill, as the possibility for spontaneous combustion exists. Wash spill residue with warm, soapy water if necessary.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (MIN./MAX): 40°F (4°C) / 90°F (32°C)

STORAGE: Store in cool, dry place. Keep containers tightly closed.

HANDLING PRECAUTIONS: Use only with adequate ventilation. Do not breath vapors or mists from heated product. Avoid contact with skin and eyes. Wash thoroughly after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION GUIDELINES: Chemical splash goggles or full-face shield.

SKIN PROTECTION GUIDELINES: Wear liquid-proof, chemical resistant gloves (nitrile-butyl rubber, neoprene, butyl rubber or natural rubber) and full body-covering clothing.

RESPIRATORY/VENTILATION GUIDELINES: General mechanical or local exhaust ventilation. In the absence of adequate ventilation controls, use a NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge.

ADDITIONAL PROTECTIVE MEASURES: Use where there is immediate access to safety shower and emergency eye wash. Provide proper wash/cleanup facilities for proper hygiene. Generally speaking, working cleanly and following basic precautionary measures will greatly minimize the potential for harmful exposure to this product under normal use conditions.

OCCUPATIONAL EXPOSURE LIMITS: Not established for product as whole. Refer to OSHA's Permissible Exposure Level (PEL) or the ACGIH Guidelines for information on specific ingredients.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM Viscous liquid.
COLOR Light yellow to amber.
ODOR Mercaptan odor.
BOILING POINT No data.
MELTING POINT/FREEZE POINT No data.
pH Alkaline
SOLUBILITY IN WATER Slight.
VISCOSITY 9,000 cPs
SPECIFIC GRAVITY 1.14
BULK DENSITY 9.5 pounds/gallon.
VAPOR PRESSURE No data.
VAPOR DENSITY No data.
% VOLATILE BY WEIGHT ASTM 2369-07 was used to determine the Volatile Matter Content of mixed epoxy resin and hardener. 865A Resin and 865B Hardener, mixed together at 1:1 by weight, has a density of 1194 g/L (9.96 lbs/gal). The combined VOC content for 865A/865B is 0.41 g/L (0.00 lbs/gal).

10. STABILITY AND REACTIVITY**STABILITY:** Stable.**HAZARDOUS POLYMERIZATION:** Will not occur.**INCOMPATIBILITIES:** Avoid contact with strong oxidants. Contact with large masses of epoxy resin generates large quantities of heat due to exothermic reaction.**DECOMPOSITION PRODUCTS:** Very toxic fumes and gases when burned or otherwise heated to decomposition. Decomposition products may include, but not limited to: oxides of nitrogen, volatile amines, ammonia, nitric acid.**11. TOXICOLOGICAL INFORMATION**

No specific oral, inhalation or dermal toxicology data is known for this product.

Oral: Slightly toxic.

Inhalation: No data.

Dermal: Slightly toxic.

CARCINOGENICITY:

NTP No.

IARC No.

OSHA No.

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA, NTP or IARC.

12. ECOLOGICAL INFORMATION

No specific data. Wastes from this product may present long term environmental hazards. Do not allow into sewers, on the ground or in any body of water.

13. DISPOSAL CONSIDERATIONS**WASTE DISPOSAL METHOD:** Evaluation of this product using RCRA criteria shows that it is not a hazardous waste, either by listing or characteristics, in its purchased form. It is the responsibility of the user to determine proper disposal methods.

Incinerate, recycle (fuel blending) or reclaim may be preferred methods when conducted in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION**DOT Non-Bulk**

SHIPPING NAME: Not regulated.

TECHNICAL SHIPPING NAME: Not applicable.

HAZARD CLASS: Not applicable.

U.N./N.A. NUMBER: Not applicable.

PACKING GROUP: Not applicable.

ICAO/IATA

SHIPPING NAME: Not regulated.

TECHNICAL SHIPPING NAME: Not applicable.

HAZARD CLASS: Not applicable.

U.N. NUMBER: Not applicable.

PACKING GROUP: Not applicable.

IMDG

SHIPPING NAME: Not regulated.

TECHNICAL SHIPPING NAME: Not applicable.

HAZARD CLASS: Not applicable.

U.N. NUMBER: Not applicable.

PACKING GROUP: Not applicable.

15. REGULATORY INFORMATION**OSHA STATUS:** Skin irritant. Eye irritant.**TSCA STATUS:** All components are listed on TSCA Inventory or otherwise comply with TSCA requirements.**Canada WHMIS Classification:** D2B – Toxic material causing other toxic effects.

CEPA Chemical Inventory Status: All components are listed or are otherwise compliant with CEPA requirements. HMIRC #8265, Poly alkoxyated hydroxyalkyl thiol, granted April 25, 2012.

SARA TITLE III:
SECTION 313 TOXIC CHEMICALS Not applicable.

STATE REGULATORY INFORMATION:
The following chemicals are specifically listed or otherwise regulated by individual states. For details on your regulatory requirements you should contact the appropriate agency in your state.

<u>COMPONENT NAME</u>	<u>CONCENTRATION</u>	<u>STATE CODE</u>
<u>CAS NUMBER</u>		
Not applicable.		

16. OTHER INFORMATION

REASON FOR ISSUE: Changes made in sections: 2, 3, 14 & 15.
PREPARED BY: G. M. House
APPROVED BY: G. M. House
TITLE: Health, Safety & Environmental Manager
APPROVAL DATE: April 22, 2013
SUPERSEDES DATE: February 10, 2011
MSDS NUMBER: 865B-13a

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