

# PRODUCT CHARACTERISTIC SHEET and COC

## **PLEASE READ BEFORE USING!**

**Material: CONVEX® Chrome High-Bond**

**Part Nos: CCHB1550S, CCHB1525S, CCHB1510S, CCHB155S**

**General Description:** Chrome Silver, soft, flexible UV durable film with a clear permanent High-Bond acrylic adhesive. Please use with compatible Convex and Pro-Shield laminates. Different combinations of Convex or Pro-Shield laminates can be used to achieve a variety of decal thicknesses.

|                            |   |  |
|----------------------------|---|--|
| Thickness:                 | 1.5 mil film with 1.5 mil. of adhesive. | <b>Adhesive Properties:</b><br>1.5 mils. of permanent High-Bond acrylic pressure sensitive adhesive works for most surfaces including textured low energy plastic and metal surfaces |
| Outdoor Life:              | 7 years UV                              |  |
| Shelf Life:                | 5 years stored at 70° F & 50%RH         |  |
| Service Temperature Range: | (-40° F to 212° F)                      |  |
| Minimum Application Temp.: | 50° F                                   |  |

**Tests performed | results:**

| Ultimate Peel from                         | Average OZ/IN                   | Test Method                                  |   |
|--|---------------------------------|--|---|
| Acrylic                                    | 81                              | ASTM D 903 (Modified for 72 hour dwell time) |   |
| Glass                                      | 78                              |  |   |
| Polypropylene                              | 31                              |  |   |
| Stainless Steel                            | 67                              |  |   |
| <b>Expected Shear</b><br>Room Temp (hours) | 10+ Film rips during shear test | ASTM D 3654 Method A                         | a. 1 hrl dwell<br>b. 1 sq. in. surface<br>c. 4 lb. load |
| <b>Tack (gm/sq cm)</b>                     | 770                             | ASTM D 2979                                  |   |

### CERTIFICATE OF CONFORMANCE (COC)

|                  |                         |                     |                 |                                    |                           |
|------------------|-------------------------|---------------------|-----------------|------------------------------------|---------------------------|
| <b>Sold to:</b>  |                         |                     |                 | <b>Lot No.:</b>                    |                           |
| <b>Buyer:</b>    |                         | <b>PO#</b>          |                 | <b>Supplier's Authorized Rep.:</b> |                           |
| <b>Supplier:</b> | Graphic Marking Systems | <b>MFR Part No:</b> | Top of the page | <b>Title:</b>                      | <b>Converting Manager</b> |
| <b>MFR Date:</b> |                         | <b>Ship Date:</b>   |                 | <b>Date:</b>                       |                           |

### Recommended Application Techniques:

On curved plastic surfaces such as found on MX bikes and ATVs, first clean the plastic with alcohol or acetone to remove any "silicone" mould residue from the surface you intend to apply to. Allow it to dry before applying the graphic.

### GSP Software Settings:

In Gerber's Composer or Plot program, select the setting for 220 HP or 210 Deluxe series vinyl. We recommend Gerber's GCT series transparent colors for the best transparent results, or GCS spot colors to block the chrome effect. If you are using laminates on top of the base material, you will have to determine the best cutter settings by test cutting the finished construction. Convex Chrome is only 1.5 mils thick with 1.5 mils of adhesive. Therefore it does not take a lot of force to cut through Convex Chrome without laminate. www.CONVEXVinyl.com

**USE A 45° blade or 60° BLADE on any combination of material 8 mil or thicker.**

**Disclaimer:**

All of the descriptive information listed above is our recommendation only. This information does not suggest or constitute a written or verbal warranty or guaranty of any kind by the manufacturer or distributor of this product. Although this material can be printed on with some solvent based printers, the surface characteristics of the material can change from roll to roll, and failure of optimal printing results are not a basis for returning the product. Purchasers of this product shall be responsible for independently determining the suitability of the material for the intended application. GMS0612 Graphic Marking Systems

# Material Safety Data Sheet (MSDS)

|   |  |  |            |
|---|--|--|------------|
| <b>Material Name: CONVEX® Chrome High-Bond</b>  |  | <b>Company:</b>  |            |
| <b>Part Nos: CCHB1550S, CCHB1525S, CCHB1510S, CCHB155S</b>  |  | Graphic Marking Systems  |            |
| Date Prepared: 8/24/2015  |  | Address: 28457 N. Ballard Rd., Suite A1<br>Lake Forest, IL 60045   |            |
| <b>General Description:</b> Chrome Silver, soft, flexible vinyl film with a clear permanent High-Bond acrylic adhesive.   |  | Phone: 847-582-9276<br>Fax: 847-582-9282   |            |
| <b>Composition and information on ingredients:</b><br>Individual components of this product do not contribute to any known hazards.<br>OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): NONE   |  | <b>UL Recognized:</b>  | <b>NO</b>  |
|   |  | <b>ROHS Compliant:</b>   | <b>YES</b> |
|   |  | <b>REACH Compliant:</b>  | <b>YES</b> |
| <b>Hazards Identification:</b>  |  |  |            |
| POTENTIAL HEALTH EFFECTS: None  |  |  |            |
| ACUTE: No significant toxic hazard. When burned may produce toxic fumes.  |  |  |            |
| CHRONIC: No significant toxic hazard.   |  |  |            |
| None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.  |  |  |            |
| <b>First Aid Measures:</b>  |  | <b>Fire Fighting Measures:</b>   |            |
| Emergency and First Aid Procedures:   |  | Flash Point: N/A   |            |
| <b>ROUTES OF ENTRY:</b>   |  | Method Used: N/A   |            |
| Inhalation: N/A      Skin: N/A  |  | Auto-ignition Temperature: N/A   |            |
| Eyes: N/A      Ingestion: N/A   |  | Flamable limits in Air % by Volume: LEL: N/A, UEL: N/A   |            |
| <b>Accidental Release Measures:</b> N/A   |  | Extinguishing Media: Multi-rated ABC extinguisher or water   |            |
| <b>Handling and Storage:</b><br>No special handling required other than storing away from excessive heat sources.   |  | Unusual Fire and Explosion Hazards: None   |            |
|   |  | <b>Special Fire Fighting Procedures:</b> In case of fire, use self-contained breathing apparatus and full protective equipment - all fires liberate toxic gases.   |            |
| <b>Exposure Controls and Personal Protection:</b>   |  | <b>Physical and Chemical properties:</b>   |            |
| Respiratory Protection: None required   |  | Vapor Pressure (mm Hg): N/A      Boiling Point: N/A  |            |
| Skin Protection: No precautions required  |  | Vapor Density (air = 1): N/A      Melting Point: N/A   |            |
| Eye Protection: None required   |  | Appearance and odor: N/A      Reactivity of water: N/A   |            |
| Exposure Guidelines: None established   |  | Specific Gravity (H 0=1): N/A      Solubility in water: N/A  |            |
| Engineering Controls: None required   |  | <b>Stability and Reactivity:</b>   |            |
| <b>Toxicological Information:</b>   |  | Stability: N/A   |            |
| Carcinogen Status: NTP: NONE      IARC: NONE      OSHA: NONE  |  | Conditions to avoid: Fire or Excessive Heat  |            |
| <b>Ecological Information:</b> No Data Available  |  | Incompatibility: None  |            |
| <b>Transport Information:</b>   |  | Hazardous Decomposition Products: None   |            |
| TRANSPORTATION AND HAZARDOUS MATERIALS DESCRIPTION: Not a hazardous material for DOT shipping.  |  | Hazardous Polymerization: Will not occur.  |            |
| <b>Disposal Considerations:</b> Waste Disposal:<br>Dispose of in accordance with Local, State and Federal regulations.  |  | <b>Regulatory Information:</b>   |            |
| <b>Other Information:</b><br>The information contained herein is based on the data available to Graphic Marking Systems, and is believed to be correct. However, Graphic Marking Systems makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Graphic Marking Systems assumes no responsibility for injury from the use of the product described herein. |  | <b>OSHA STANDARD CFR 29, PART 1910.1200:</b> This product is considered to be an "article" under this standard.  |            |
|   |  | <b>SARA 313 INFORMATION:</b> This product contains no substances at or above the reporting threshold subject to the reporting requirement of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 371, based on available data.  |            |
|   |  | <b>CALIFORNIA PROPOSITION 65:</b> CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. Warning this product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. |            |