


# Horizons Incorporated

## Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

| 1. Product and Company Identification |   |
|---------------------------------------|---|
| Product Name                          | PolyColor Dye – Gold                            |
| Manufacturer's name                   | Horizons Incorporated                           |
| Address                               | 18531 South Miles Road<br>Cleveland, Ohio 44128 |
| Emergency Telephone Number            | (216) 475-0555                                  |
| Information Telephone Number          | (216) 475-0555                                  |

| 2. Hazards Identification  |   |
|--|---|
| <b>GHS Classification</b>  |   |
| H227<br>H303<br>H333<br>H313<br>H318<br>H320   | Flammable liquid – Category 4<br>Acute toxicity, Oral – Category 5<br>Acute toxicity, Inhalation – Category 5<br>Acute toxicity, Dermal – Category 5<br>Skin corrosion/irritation – Category 2<br>Serious eye damage/eye irritation – Category 2B   |
| <b>GHS Label Elements</b>  |   |
| Hazard Pictogram   |    |
| Signal Word  | Warning   |
| <b>Hazard Statements</b>   |   |
| H227<br>H303<br>H313<br>H333<br>H315<br>H320   | Combustible liquid<br>May be harmful if swallowed<br>May be harmful in contact with skin<br>May be harmful if inhaled<br>Causes skin irritation<br>Causes eye irritation  |
| <b>Precautionary Statements</b>  |   |
| P210<br><br>P264<br>P280<br>P302+P352<br>P305+P351+P338<br><br>P332+P337+P313<br>P312<br>P362+P364<br>P403 | Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking<br>Wash thoroughly after handling<br>Wear protective gloves, protective clothing, and eye protection<br>IF ON SKIN: wash with plenty of water<br>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing<br>If skin or eye irritation occurs or persists: Get medical advice/attention<br>Call a poison center/doctor if you feel unwell<br>Take off contaminated clothing and wash before reuse<br>Store in a well-ventilated place |

| 3. Composition/Information on Ingredients              |               |       |
|--|---------------|-------|
| Components/ Materials                                  | CAS Number    | %     |
| Butyl Lactate  | 138-22-7      | 89    |
| Solvent Yellow 82                                      | Not Available | 10    |
| Solvent Orange 54                                      | Not available | 1     |
| Chromium III (as an integral part of the dye molecule) | 7440-47-3     | <0.08 |

| <b>4. First Aid Measures</b> |  |
|------------------------------|--|
| Inhalation                   | Promptly remove to fresh air. If breathing is stopped or irregular, administer artificial respiration. Get medical attention immediately.  |
| Skin Contact                 | Wash affected area with soap & water after contact. Rinse immediately with plenty of water for at least 15 minutes. Remove & wash contaminated clothing before reuse. If irritation develops, get medical attention. |
| Eye Contact                  | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops & persists.  |
| Ingestion                    | Rinse mouth with water. DO NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.  |

| <b>5. Fire Fighting Measures</b>       |  |
|--|--|
| <b>Flammable Properties</b>            | Flash point – >156°F (69°C) TCC  |
| <b>Flammable Limits</b>                |  |
| Lower Flammable Limit                  | Not available  |
| Upper Flammable Limit                  | Not available  |
| <b>Hazardous Combustion Products</b>   | Carbon monoxide, Carbon dioxide, nitrogen oxides, chromium oxides.   |
| <b>Unusual Fire/Explosion Hazards</b>  | Combustion products may be irritating to the skin, eyes, nose, and respiratory system.   |
| <b>Extinguishing Media</b>             | Foam. Carbon Dioxide (CO <sub>2</sub> ). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                        |
| <b>Special Firefighting Procedures</b> | Wear self-contained breathing apparatus & protective clothing to prevent contact with skin and eyes. Cool containers with water spray. Fire or intense heat may cause violent rupture of packages. |

| <b>6. Accidental Release Measures</b> |  |
|---------------------------------------|--|
| <b>Small Spill</b>                    | Absorb spill with an inert material and place in a chemical waste container  |
| <b>Large Spill</b>                    | Remove all sources of ignition. Ventilate area. Contain spilled liquid with sand or earth. Absorb spill with an inert material and shovel into a chemical waste container. Prevent runoff from entering into sewers and ditches which lead into natural waterways. |

| <b>7. Handling and Storage</b> |  |
|--------------------------------|--|
| <b>Handling</b>                | Avoid contact with eyes and clothing. Keep container closed. Use only in a well ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated breathing of mists and vapors. Avoid prolonged or repeated contact with skin. |
| <b>Storage</b>                 | Store between 65-85°F. Keep containers sealed when not in use.   |

| <b>8. Exposure Control/Personal Protection</b> |   |                          |                           |            |
|--|---|--------------------------|---------------------------|------------|
| <b>Exposure Limits</b>                         |   |                          |                           |            |
| Chemical Name                                  | CAS No.   | OSHA                     | ACGIH                     | NIOSH      |
| Butyl Lactate                                  | 138-22-7  | 25 mg/m <sup>3</sup> TWA | 5 ppm TWA                 | 5 ppm IDLH |
| Solvent Yellow 82                              |   | ND                       | ND                        | ND         |
| Solvent Orange 54                              |   | ND                       | ND                        | ND         |
| Chromium III compounds                         | 7440-47-3   | 0.5mg/m <sup>3</sup> TWA | 0.5 mg/m <sup>3</sup> TWA | ND         |
| ND – Not Determined                            |   |                          |                           |            |
| <b>Engineering Controls</b>                    | Control airborne concentrations below the exposure limits. Use only with adequate ventilation. Local exhaust ventilation may be necessary. Keep containers covered whenever possible.   |                          |                           |            |
| <b>Respiratory Protection</b>                  | When respiratory protection is required, use a NIOSH approved air-purifying respirator equipped with an organic vapor canister. For emergency and other conditions where exposure limits may be greatly exceeded, use an approved positive-pressure, self-contained breathing apparatus or positive-pressure air line with auxiliary self-contained air supply. |                          |                           |            |
| <b>Skin Protection</b>                         | Wear protective gloves and clothing. Use solvent-resistant apron & boots, if needed.  |                          |                           |            |
| <b>Eye Protection</b>                          | Use safety glasses with side shields or, preferably, chemical goggles.  |                          |                           |            |

| <b>9. Physical and Chemical Properties</b> |                                |
|--|--------------------------------|
| Boiling Point                              | 367°F (186°C)                  |
| Specific Gravity                           | 1.01                           |
| % Volatiles                                | 89%                            |
| Solubility in Water                        | Slightly soluble (3.4ml/100ml) |
| pH   | No information available       |
| Odor                                       | Mild, characteristic odor      |
| Form                                       | Liquid                         |
| Color                                      | Yellow                         |
| VOC  | 7.49 lbs/gal coating           |

| <b>10. Stability and Reactivity</b>     |   |
|---|---|
| <b>Chemical Stability</b>               | Stable under normal storage conditions  |
| <b>Conditions to Avoid</b>              | Keep product away from heat, sparks, static electricity, and open flame.  |
| <b>Incompatibility</b>                  | Strong bases. Strong oxidizing agents.  |
| <b>Hazardous Decomposition Products</b> | Burning can produce carbon monoxide, carbon dioxide, nitrogen oxides, & chromium oxides when heated to decomposition. |
| <b>Hazardous Polymerization</b>         | Will not occur  |

| <b>11. Toxicological Information</b>          |   |
|---|---|
| Results of component toxicity test performed: |   |
| Data for Butyl Lactate<br>(CAS 138-22-7)      | Acute Toxicity Data: Oral rat LD50: >5000 mg/kg;<br>Subcutaneous rat LD50: 12000 mg/kg;<br>Skin rabbit LD50: >5000 mg/kg;<br>Draize test, rabbit, skin: 500 mg/24H Moderate<br>Inhalation, rat LC50:>5140 mg/kg |
| Data for Solvent Yellow 82                    | Acute Toxicity Data: Oral rat LD50: >10000 mg/kg;   |
| Data for Solvent Orange 54                    | Acute Toxicity Data: Oral rat LD50: >5000 mg/kg.  |

| <b>12. Ecological Information</b>   |                           |
|---|---------------------------|
| The following properties are ESTIMATED from the components of the preparations. |                           |
| Potential Toxicity:   |                           |
| Toxicity to Danio rerio (LC50):   | 75 mg/L /96 Hr            |
| Toxicity to Daphnia magna (EC50):   | 320 mg/L /48Hr            |
| Persistence and degradability   | ND                        |
| Chemical Oxygen Demand (COD)  | 1.97lb O <sub>2</sub> /lb |
| Biochemical Oxygen Demand (BOD)   | ND                        |
| Chemical Fate Information   | ND                        |

| <b>13. Disposal Considerations</b>   |  |
|--|--|
| This product contains chromium predominantly in the trivalent state. Wastes containing chromium may be D007 RCRA hazardous wastes per 40 CFR261.24.<br>Liquid material should be disposed as flammable waste. Note that Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.<br>Contact a licensed professional waste disposal service to dispose of large quantities of this material |  |

| <b>14. Transport Information</b> |                            |
|----------------------------------|----------------------------|
| <b>Proper Shipping Name</b>      | Combustible Liquid, N.O.S. |
| <b>UN No.</b>                    | NA1993                     |
| <b>IATA Class</b>                | Not Regulated              |
| <b>Packing Group</b>             | III                        |

| <b>15. Regulatory Information</b>   |  |
|-------------------------------------|--|
| <b>U.S. Federal Regulations</b>     |  |
| <b>TSCA Section 8 (b) Inventory</b> | All components are listed on the TSCA Chemical Inventory                   |
| <b>OSHA</b>                         | Hazardous by definition of Hazard Communications Standard (29CFR1910.1200) |
| <b>SARA Hazard Category</b>         |  |
| <b>SARA 302 Components</b>          | No listed components   |
| <b>SARA 313 Components</b>          | Chromium III compounds.  |
| <b>SARA 311/312 Hazards</b>         | Acute Health Hazard, Chronic Health Hazard, Fire Hazard                    |
| <b>Clean Water Act</b>              | Contains priority pollutant chromium at concentrations >0.1%               |
| <b>CERCLA</b>                       | Chromium, RQ 5000pounds  |

|   |   |
|---|---|
| <b>State Regulations</b>                      |   |
| <b>Massachusetts Right To Know Components</b> | Butyl Lactate   |
| <b>Pennsylvania Right To Know Components</b>  | Butyl Lactate   |
| <b>New Jersey Right To Know Components</b>    | Butyl Lactate   |
| <b>California Proposition 65 Components</b>   | This product does not contain any chemical known to the State of California to cause cancer or reproductive harm. |
|   |   |

## 16. Other Information

### HMIS

H - 2

F - 2

R - 0

PPE - B

The information in this material safety data sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations & management, and for persons working with or handling this product. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions but does not purport to be all inclusive. Horizons Incorporated shall not be held liable for any damage resulting from handling or from contact with the above product.