

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

88-1290  
88-1292

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

|                                                                                                                         |                                                           |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| MANUFACTURER'S NAME<br><b>United States Biochemical Corporation</b>                                                     | EMERGENCY TELEPHONE NO.<br><b>(216) 663-0330</b>          |
| ADDRESS (Number, Street, City, State, and ZIP Code)<br><b>P. O. Box 22400, (21000 Miles Pkwy.), Cleveland, OH 44122</b> |                                                           |
| CHEMICAL NAME AND SYNONYMS<br><b>Phloroglucinol (1,3,5-Trihydroxy Benzene)</b>                                          | TRADE NAME AND SYNONYMS<br><b>Phloroglucinol</b>          |
| CHEMICAL FAMILY<br><b>Hydroxy Benzene</b>                                                                               | FORMULA<br><b>C<sub>6</sub>H<sub>6</sub>O<sub>3</sub></b> |

## SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS                     | % | TLV<br>(Units) | ALLOYS AND METALLIC COATINGS              | % | TLV<br>(Units) |
|-------------------------------------------------------|---|----------------|-------------------------------------------|---|----------------|
| PIGMENTS                                              |   |                | BASE METAL                                |   |                |
| CATALYST                                              |   |                | ALLOYS                                    |   |                |
| VEHICLE                                               |   |                | METALLIC COATINGS                         |   |                |
| SOLVENTS                                              |   |                | FILLER METAL<br>PLUS COATING OR CORE FLUX |   |                |
| ADDITIVES                                             |   |                | OTHERS                                    |   |                |
| OTHERS                                                |   |                |                                           |   |                |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES |   |                |                                           | % | TLV<br>(Units) |
|                                                       |   |                |                                           |   |                |
|                                                       |   |                |                                           |   |                |
|                                                       |   |                |                                           |   |                |
|                                                       |   |                |                                           |   |                |

## SECTION III - PHYSICAL DATA

|                                                                              |                                       |
|------------------------------------------------------------------------------|---------------------------------------|
| <del>XXXXXXXXXX</del> Melting Point <b>217-219° C</b>                        | SPECIFIC GRAVITY (H <sub>2</sub> O=1) |
| VAPOR PRESSURE (mm Hg.) <b>Negotiable</b>                                    | PERCENT, VOLATILE<br>BY VOLUME (%)    |
| VAPOR DENSITY (AIR=1) <b>N.A.</b>                                            | EVAPORATION RATE<br>(_____ =1)        |
| SOLUBILITY IN WATER <b>1.9/20° C</b>                                         |                                       |
| APPEARANCE AND ODOR <b>Almost white colored crystalline powder, odorless</b> |                                       |

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

|                                                         |                                    |     |     |
|---------------------------------------------------------|------------------------------------|-----|-----|
| FLASH POINT (Method used) <b>N.A.</b>                   | FLAMMABLE LIMITS<br><b>Unknown</b> | LeI | UeI |
| EXTINGUISHING MEDIA                                     |                                    |     |     |
| SPECIAL FIRE FIGHTING PROCEDURES<br><b>None Known</b>   |                                    |     |     |
| UNUSUAL FIRE AND EXPLOSION HAZARDS<br><b>None Known</b> |                                    |     |     |

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Low toxicity

LD50, oral rat; 4000 mg/kg LDLO, ipr mse: 512 mg/kg

EFFECTS OF OVEREXPOSURE

Irritation to skin, eyes and mucous membranes.

EMERGENCY AND FIRST AID PROCEDURES

Wash all contaminated areas with copious amounts of water. If ingested consult a physician immediately.

## SECTION VI - REACTIVITY DATA

|                                          |                |   |                                              |
|------------------------------------------|----------------|---|----------------------------------------------|
| STABILITY                                | UNSTABLE       |   | CONDITIONS TO AVOID                          |
|                                          | STABLE         | X |                                              |
| INCOMPATIBILITY (Materials to avoid) N/A |                |   |                                              |
| HAZARDOUS DECOMPOSITION PRODUCTS N/A     |                |   |                                              |
| HAZARDOUS POLYMERIZATION                 | MAY OCCUR      |   | CONDITIONS TO AVOID Avoid Absorbing moisture |
|                                          | WILL NOT OCCUR | X |                                              |

## SECTION VII - SPILL OR LEAK PROCEDURES

|                                                                              |
|------------------------------------------------------------------------------|
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED                    |
| Wipe (flush with water) Wipe up the spilled material. Flush area with water. |
| WASTE DISPOSAL METHOD                                                        |
| Flush with water                                                             |

## SECTION VIII - SPECIAL PROTECTION INFORMATION

|                                                                                   |                               |                |
|-----------------------------------------------------------------------------------|-------------------------------|----------------|
| RESPIRATORY PROTECTION (Specify type) Use suitable dust respirator in dusty areas |                               |                |
| VENTILATION                                                                       | LOCAL EXHAUST                 | SPECIAL        |
|                                                                                   | Maintain adequate ventilation | N/A            |
|                                                                                   | MECHANICAL (General)          | OTHER          |
|                                                                                   |                               | N/A            |
| PROTECTIVE GLOVES                                                                 | Rubber Gloves                 | EYE PROTECTION |
| OTHER PROTECTIVE EQUIPMENT                                                        |                               | Goggles        |

## SECTION IX - SPECIAL PRECAUTIONS

|                                                                                                              |
|--------------------------------------------------------------------------------------------------------------|
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING                                                              |
| Phloroglucinol is low in toxicity. However it is still recommended to wear normal protections when handling. |
| OTHER PRECAUTIONS                                                                                            |
| Keep container tightly closed and dry                                                                        |