# SAFETY DATA SHEET

**Issue Date** 01-Jun-2015 **Revision Date** 19-Feb-2019 **Version** 6

## 1. IDENTIFICATION

**Product identifier**

**Product Name** EF POLY LB BRITE RED

**Other means of identification**

**Product Code** ATHP3006

**Synonyms** ATHP300601, ATHP300603, ATHP300604, ATHP300605, ATHP300607, ATHP300608, ATHP300609, ATHP300610, ATHP300612, ATHP300613, ATHP300614, ATHP300615, ATHP300616, ATHP300617, ATHP300619, ATHP300620, ATHP300621, ATHP300622, ATHP300623, ATHP300633, ATHP300635, ATHP300655

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Restricted to professional users. Textile ink.

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

Rutland Group
10021 Rodney Street
Pineville, NC 28134
Tel: 704-553-0046

**E-mail address** product_safety@rutlandinc.com

**Emergency telephone number**

**Emergency Telephone** INFOTRAC 1-352-323-3500

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|---|---|
| Acute toxicity - Oral | Category 4 |

**Label elements**

**Emergency Overview**

**Warning**

**Hazard statements**
Harmful if swallowed

**Appearance** viscous **Physical state** liquid **Odor** None

**Precautionary Statements - Prevention**
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

**Precautionary Statements - Disposal**
Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**
Not applicable

**Other Information**
May be harmful in contact with skin

Unknown acute toxicity 74.7% of the mixture has not undergone testing for acute toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

| Chemical Name | CAS No. | Weight-% | Trade Secret |
|---|---|---|---|
| PVC HOMOPOLYMER RESIN | 9002-86-2 | 7 - 13 | * |
| PIGMENT RED 48:1 | 7585-41-3 | 5 - 10 | * |
| CALCIUM CARBONATE | 1317-65-3 | 5 - 10 | * |
| TITANIUM DIOXIDE | 13463-67-7 | 3 - 7 | * |
| DIPHENYLOXIDE-4,4'-DI-SULFOHYDRAZIDE | 80-51-3 | 1 - 5 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

**Description of first aid measures**

**General advice** If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

**Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin contact** Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is not required. If skin irritation persists, call a physician.

**Inhalation** Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

**Ingestion** Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Self-protection of the first aider** Use personal protective equipment as required.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**
Use. Dry chemical. Carbon dioxide (CO2). Water spray (fog). Alcohol resistant foam.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**
Keep product and empty container away from heat and sources of ignition. Risk of ignition.

**Explosion data**
**Sensitivity to Mechanical Impact** None.
**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

**Environmental precautions**

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Cover liquid spill with sand, earth or other non-combustible absorbent material. Pick up and transfer to properly labeled containers. Cover powder spill with plastic sheet or tarp to minimize spreading. Dam up. Soak up with inert absorbent material. Take precautionary measures against static discharges.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place
Keep out of the reach of children
Keep containers tightly closed in a cool, well-ventilated place
Keep away from heat
Keep in properly labeled containers

**Incompatible materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines** .

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| PVC HOMOPOLYMER RESIN 9002-86-2 | TWA: 1 mg/m³ respirable particulate matter | - | - |
| PIGMENT RED 48:1 7585-41-3 | TWA: 0.5 mg/m³ Ba | TWA: 0.5 mg/m³ Ba regulated under CAS 7440-39-3 (vacated) TWA: 0.5 mg/m³ Ba | IDLH: 50 mg/m³ Ba TWA: 0.5 mg/m³ except Barium sulfate Ba |
| CALCIUM CARBONATE 1317-65-3 | - | TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction | TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust |
| TITANIUM DIOXIDE 13463-67-7 | TWA: 10 mg/m³ | TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust | IDLH: 5000 mg/m³ TWA: 2.4 mg/m³ CIB 63 fine TWA: 0.3 mg/m³ CIB 63 ultrafine, including engineered nanoscale |
| DIPHENYLOXIDE-4,4'-DI-SULFOHYDRAZIDE 80-51-3 | TWA: 0.1 mg/m³ inhalable particulate matter | - | - |

*NIOSH IDLH Immediately Dangerous to Life or Health*

| Chemical Name | Alberta OEL | British Columbia OEL | Manitoba OEL | New Brunswick OEL |
|---|---|---|---|---|
| PVC HOMOPOLYMER RESIN 9002-86-2 | - | TWA: 1 mg/m³ | TWA: 1 mg/m³ | - |
| PIGMENT RED 48:1 7585-41-3 | TWA: 0.5 mg/m³ | TWA: 0.5 mg/m³ | TWA: 0.5 mg/m³ | - |
| CALCIUM CARBONATE 1317-65-3 | TWA: 10 mg/m³ | TWA: 10 mg/m³ TWA: 3 mg/m³ STEL: 20 mg/m³ | - | TWA: 10 mg/m³ |
| TITANIUM DIOXIDE 13463-67-7 | TWA: 10 mg/m³ | TWA: 10 mg/m³ TWA: 3 mg/m³ | TWA: 10 mg/m³ | TWA: 10 mg/m³ |
| DIPHENYLOXIDE-4,4'-DI-SULFOHYDRAZIDE 80-51-3 | - | TWA: 0.1 mg/m³ Adverse reproductive effect | TWA: 0.1 mg/m³ | - |

| Chemical Name | Newfoundland OEL | Northwest Territories OEL | Nova Scotia OEL | Nunavut OEL |
|---|---|---|---|---|
| PVC HOMOPOLYMER RESIN 9002-86-2 | TWA: 1 mg/m³ | - | TWA: 1 mg/m³ | - |
| PIGMENT RED 48:1 7585-41-3 | - | - | TWA: 0.5 mg/m³ | - |
| CALCIUM CARBONATE 1317-65-3 | - | TWA: 10 mg/m³ STEL: 20 mg/m³ | - | TWA: 10 mg/m³ STEL: 20 mg/m³ |
| TITANIUM DIOXIDE 13463-67-7 | TWA: 10 mg/m³ | TWA: 10 mg/m³ STEL: 20 mg/m³ | TWA: 10 mg/m³ | TWA: 10 mg/m³ STEL: 20 mg/m³ |
| DIPHENYLOXIDE-4,4'-DI-SULFOHYDRAZIDE 80-51-3 | TWA: 0.1 mg/m³ | TWA: 0.1 mg/m³ STEL: 0.3 mg/m³ | TWA: 0.1 mg/m³ | TWA: 0.1 mg/m³ STEL: 0.3 mg/m³ |

| Chemical Name | Ontario OEL | Prince Edward Island OEL | Quebec OEL | Saskatchewan OEL | Yukon OEL |
|---|---|---|---|---|---|
| PVC HOMOPOLYMER RESIN 9002-86-2 | TWA: 1 mg/m³ | TWA: 1 mg/m³ | - | - | - |
| PIGMENT RED 48:1 7585-41-3 | TWA: 0.5 mg/m³ | TWA: 0.5 mg/m³ | TWA: 0.5 mg/m³ | - | TWA: 0.5 mg/m³ |
| CALCIUM CARBONATE 1317-65-3 | - | - | TWA: 10 mg/m³ | TWA: 10 mg/m³ STEL: 20 mg/m³ | STEL: 20 mg/m³ TWA: 30 mppcf TWA: 10 mg/m³ |
| TITANIUM DIOXIDE 13463-67-7 | TWA: 10 mg/m³ | TWA: 10 mg/m³ | TWA: 10 mg/m³ | TWA: 10 mg/m³ STEL: 20 mg/m³ | STEL: 20 mg/m³ TWA: 30 mppcf |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | TWA: 10 mg/m³ |
| DIPHENYLOXIDE-4,4'-DI-SULFOHYDRAZIDE 80-51-3 | TWA: 0.1 mg/m³ | TWA: 0.1 mg/m³ | - | TWA: 0.1 mg/m³<br>STEL: 0.3 mg/m³ | - |

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Showers
Eyewash stations
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | | | |
|---|---|---|---|
| **Physical state** | liquid | | |
| **Appearance** | viscous | **Odor** | None |
| **Color** | red | **Odor threshold** | No information available |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **pH** | 7-10 | |
| **Melting point/freezing point** | No information available | |
| **Boiling point / boiling range** | 205 °C / 401 °F | |
| **Flash point** | No information available | |
| **Evaporation rate** | No information available | |
| **Flammability (solid, gas)** | No information available | |
| **Flammability Limit in Air** | | |
| **Upper flammability limit:** | No information available | |
| **Lower flammability limit:** | No information available | |
| **Vapor pressure** | No information available | |
| **Vapor density** | No information available | |
| **Specific Gravity** | 1.35 | |
| **Water solubility** | Insoluble in water | |
| **Solubility in other solvents** | No information available | |
| **Partition coefficient** | No information available | |
| **Autoignition temperature** | No information available | |
| **Decomposition temperature** | No information available | |
| **Kinematic viscosity** | No information available | |
| **Dynamic viscosity** | No information available | |
| **Explosive properties** | No information available | |
| **Oxidizing properties** | No information available | |

**Other Information**

| | |
|---|---|
| **Softening point** | No information available |
| **Molecular weight** | No information available |
| **VOC Content** | <60 g/L |
| **Density** | No information available |
| **Bulk density** | No information available |

## 10. STABILITY AND REACTIVITY

**Reactivity**
No data available

**Chemical stability**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
None under normal processing.

**Conditions to avoid**
Heat, flames and sparks.

**Incompatible materials**
None known based on information supplied.

**Hazardous Decomposition Products**
None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information** No data available

**Inhalation** No data available.

**Eye contact** No data available.

**Skin contact** No data available.

**Ingestion** No data available.

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| PIGMENT RED 48:1<br>7585-41-3 | > 5000 mg/kg ( Rat ) | - | - |
| TITANIUM DIOXIDE<br>13463-67-7 | > 10000 mg/kg ( Rat ) | - | - |
| DIPHENYLOXIDE-4,4'-DI-SULFOHYDRAZIDE<br>80-51-3 | = 2300 mg/kg ( Rat ) | > 200 mg/kg ( Rabbit ) | - |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.
**Germ cell mutagenicity** No information available.
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| PVC HOMOPOLYMER RESIN<br>9002-86-2 | - | Group 3 | - | - |
| TITANIUM DIOXIDE<br>13463-67-7 | - | Group 2B | - | X |

*IARC (International Agency for Research on Cancer)*
*Group 2B - Possibly Carcinogenic to Humans*
*Not classifiable as a human carcinogen*
*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*
*X - Present*

**Reproductive toxicity** No information available.
**STOT - single exposure** No information available.
**STOT - repeated exposure** No information available.
**Target Organ Effects** Eyes, Lungs, Respiratory system, Skin.
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**The following values are calculated based on chapter 3.1 of the GHS document** .

**ATEmix (oral)** 1946 mg/kg
**ATEmix (dermal)** 2340 mg/kg
**ATEmix (inhalation-gas)** No information available
**ATEmix (inhalation-dust/mist)** 6.1 mg/l
**ATEmix (inhalation-vapor)** No information available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**
No information available.

**Bioaccumulation**
No information available.

**Other adverse effects** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name | California Hazardous Waste Status |
|---|---|
| PIGMENT RED 48:1<br>7585-41-3 | Toxic |

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**ICAO (air)** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**RID** Not regulated

**ADR** Not regulated

**ADN** Not regulated

## 15. REGULATORY INFORMATION

| International Inventories | On Inventory (Yes/No) |
|---|---|
| **TSCA** | Yes |
| **DSL/NDSL** | Yes |
| **EINECS/ELINCS** | Yes |
| **ENCS** | No |
| **IECSC** | Yes |
| **KECL** | Yes |
| **PICCS** | Yes |
| **AICS** | Yes |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
**ENCS** - Japan Existing and New Chemical Substances
**IECSC** - China Inventory of Existing Chemical Substances
**KECL** - Korean Existing and Evaluated Chemical Substances
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances
**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | SARA 313 - Threshold Values % |
|---|---|
| PIGMENT RED 48:1 - 7585-41-3 | 1.0 |

**SARA 311/312 Hazard Categories**

| | |
|---|---|
| **Acute health hazard** | Yes |
| **Chronic Health Hazard** | No |
| **Fire hazard** | No |
| **Sudden release of pressure hazard** | No |
| **Reactive Hazard** | No |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

### US State Regulations

**California Proposition 65**

This product contains substance(s) listed on Proposition 65 but are encapsulated in a polymer matrix and not in their pure form. The end user of this product is responsible for determining appropriate warnings based upon their processing, or during installation or use of the end article. This product contains the following Proposition 65 chemicals:

| Chemical Name | California Proposition 65 |
|---|---|
| TITANIUM DIOXIDE - 13463-67-7 | Carcinogen |

**U.S. State Right-to-Know Regulations**

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| PVC HOMOPOLYMER RESIN 9002-86-2 | X | - | - |
| PIGMENT RED 48:1 7585-41-3 | X | - | X |

| | | | |
|---|---|---|---|
| CALCIUM CARBONATE<br>1317-65-3 | X | X | X |
| TITANIUM DIOXIDE<br>13463-67-7 | X | X | X |
| DIPHENYLOXIDE-4,4'-DI-SULFOHYDRAZIDE<br>80-51-3 | X | - | - |
| ISOOCTYL ALCOHOL<br>26952-21-6 | X | X | X |
| ISOPROPYL ALCOHOL<br>67-63-0 | X | X | X |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health hazards** 1 | **Flammability** 1 | **Instability** 0 | **Physical and Chemical Properties** - |
| **HMIS** | **Health hazards** 1 | **Flammability** 1 | **Physical hazards** 0 | **Personal protection** B |

**Issue Date** 01-Jun-2015
**Revision Date** 19-Feb-2019
**Revision Note**
SDS sections updated 2 4 7 9 15

**Disclaimer**

**The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**