

Issue Date 28-May-2015

Revision Date 28-May-2015

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** Epopack-HP

### Other means of identification

**Product Code** FG00075

**Synonyms**

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

**Recommended Use** Pigment.

**Uses advised against** No Data

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Surface Koatings, Inc. 134 Davis Street Portland, TN 37148 Telephone (615) 323-9461

### Emergency telephone number

**Company Phone Number** (615) 323-9461

**24 Hour Emergency Phone Number** 800-535-5053 (United States & Canada), International Call: 1-352-323-3500

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label elements

#### Emergency Overview

#### **CAUTION**

#### **Hazard statements**

May be harmful if swallowed

May cause an allergic skin reaction

Causes eye irritation

May be harmful if inhaled

May Cause Respiratory Irritation



**Appearance** Opaque Liquid

**Physical state** liquid

**Odor** Mild

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
 Wash hands and face thoroughly after handling  
 Use only outdoors or in a well-ventilated area  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention  
 IF SWALLOWED: Immediately call a POISON CONTROL CENTER/doctor  
 IF ON SKIN: Wash with plenty of soap and water.  
 If skin irritation occurs: Get medical advice or attention.  
 Take off contaminated clothing and wash before reuse  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed.

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local/regional/national regulations.

**Hazards not otherwise classified (HNOC)**

May cause skin irritation.

**Other Information****3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

| Chemical Name               | CAS No.  | Weight-% | Trade Secret |
|-----------------------------|----------|----------|--------------|
| Non-hazardous ingredient(s) | -        | 95-99    | *            |
| 2-Butoxyethanol             | 111-76-2 | 1 - 5    | *            |

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

**4. FIRST AID MEASURES****Description of first aid measures**

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.   |
| <b>Eye contact</b>    | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.                       |
| <b>Skin contact</b>   | IF ON SKIN: Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice or attention.  |
| <b>Inhalation</b>     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician. |
| <b>Ingestion</b>      | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.   |

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

**Symptoms** Eye, Skin, and Respiratory Irritation.

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

**Note to physicians** Treat symptomatically. For additional information, see Safety Data Sheet.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Product is not combustible. Use water spray (fog), alcohol-resistant foam, dry chemical, or carbon dioxide surrounding fire.

**Unsuitable extinguishing media** Not Applicable.

**Specific hazards arising from the chemical**

None Known.

**Hazardous combustion products** Carbon oxides.

**Explosion data**

**Sensitivity to Mechanical Impact** Not available.

**Sensitivity to Static Discharge** Not sensitive.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective suit.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid skin contact and inhalation.

**Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not allow product to enter any drains or waterways.

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

**Methods for containment** Dike and contain spill with inert absorbent materials. Soak up with inert material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

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

**Storage Conditions** Keep at a temperature not exceeding 38 Degrees C (100 Degrees F). Do not allow material to freeze. Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Incompatible materials** None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** 2-Butoxyethanol - CAS# 111-76-2: OSHA 50ppm TWA.

| Chemical Name               | ACGIH TLV   | OSHA PEL   | NIOSH IDLH   |
|-----------------------------|-------------|--|--|
| 2-Butoxyethanol<br>111-76-2 | TWA: 20 ppm | TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup><br>(vacated) TWA: 25 ppm<br>(vacated) TWA: 120 mg/m <sup>3</sup><br>(vacated) S*<br>S* | IDLH: 700 ppm<br>TWA: 5 ppm<br>TWA: 24 mg/m <sup>3</sup> |

**Appropriate engineering controls**

**Engineering Controls** General/Local Ventilation Recommended.

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

- Eye/face protection** Wear safety glasses with side shields (or goggles).
- Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.
- Respiratory protection** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the work day.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                                       |                                |                         |                   |
|---------------------------------------|--------------------------------|-------------------------|-------------------|
| <b>Physical state</b>                 | liquid                         | <b>Odor</b>             | Mild              |
| <b>Appearance</b>                     | Opaque Liquid                  | <b>Odor threshold</b>   | No data available |
| <b>Color</b>                          | Various                        |                         |                   |
| <b>Property</b>                       | <b>Values</b>                  | <b>Remarks • Method</b> |                   |
| <b>pH</b>                             | 8-9                            |                         |                   |
| <b>Melting point / freezing point</b> | Not Applicable/ Not Applicable |                         |                   |
| <b>Boiling point / boiling range</b>  | Not Applicable                 |                         |                   |
| <b>Flash point</b>                    | Not Applicable                 | CC (closed cup)         |                   |
| <b>Evaporation rate</b>               | Not Available                  |                         |                   |
| <b>Flammability (solid, gas)</b>      | Not Relevant                   |                         |                   |
| <b>Flammability Limit in Air</b>      |                                |                         |                   |
| <b>Upper flammability limit:</b>      | Not Available                  |                         |                   |
| <b>Lower flammability limit:</b>      | Not Available                  |                         |                   |
| <b>Vapor pressure</b>                 | Not Available                  |                         |                   |
| <b>Vapor density</b>                  | Not Available                  |                         |                   |
| <b>Relative density</b>               | 1.01 @ 70 Degrees F            |                         |                   |
| <b>Water solubility</b>               | Soluble in water               |                         |                   |
| <b>Solubility in other solvents</b>   | Not Available                  |                         |                   |
| <b>Partition coefficient</b>          | Not Available                  |                         |                   |
| <b>Autoignition temperature</b>       | Not Available                  |                         |                   |
| <b>Decomposition temperature</b>      | Not Available                  |                         |                   |
| <b>Kinematic viscosity</b>            | Not Available                  |                         |                   |

Dynamic viscosity Not Available  
 Explosive properties Not Available  
 Oxidizing properties Not Available

**Other Information**

Softening point Not Relevant  
 Molecular weight Not Available  
 VOC Content (%) No data available  
 Density Not Available  
 Bulk density Not Available

**10. STABILITY AND REACTIVITY**

**Reactivity**  
 Not Available

**Chemical stability**  
 Stable.

**Possibility of Hazardous Reactions**  
 No data available.

**Conditions to avoid**  
 None known.

**Incompatible materials**  
 None known.

**Hazardous Decomposition Products**  
 Carbon oxides.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

**Inhalation** Direct contact and vapor inhalation.  
**Eye contact** Direct contact.  
**Skin contact** Direct contact.  
**Ingestion** Direct contact.

| Chemical Name               | Oral LD50           | Dermal LD50            | Inhalation LC50       |
|-----------------------------|---------------------|------------------------|-----------------------|
| 2-Butoxyethanol<br>111-76-2 | = 470 mg/kg ( Rat ) | = 220 mg/kg ( Rabbit ) | = 450 ppm ( Rat ) 4 h |

**Information on toxicological effects**

**Symptoms** Ingestion may cause nausea, vomiting and diarrhea. Exposure causes mild skin irritation. Exposure causes eye irritation. Depending on concentration of residual monomers (typically <0.1%), vapors can collect above the liquid in closed containers. These vapors may result in eye and upper respiratory tract irritation.

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

**Skin corrosion/irritation** Irritating to skin.  
**Serious eye damage/eye irritation** Irritating to eyes.  
**Irritation** Irritating to eyes, respiratory system and skin.  
**Sensitization** No data available.  
**Germ cell mutagenicity** No data available.

**Carcinogenicity** Category 3.

| Chemical Name               | ACGIH | IARC    | NTP | OSHA |
|-----------------------------|-------|---------|-----|------|
| 2-Butoxyethanol<br>111-76-2 | A3    | Group 3 | -   | -    |

**Reproductive toxicity** Not Available.  
**STOT - single exposure** Not Available.  
**STOT - repeated exposure** Not Available.  
**Aspiration hazard** Not Available.

**Numerical measures of toxicity - Product Information**

**12. ECOLOGICAL INFORMATION**

No available data.

**Ecotoxicity**

| Chemical Name               | Algae/aquatic plants | Fish   | Crustacea  |
|-----------------------------|----------------------|--|--|
| 2-Butoxyethanol<br>111-76-2 | -                    | 1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50 | 1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 |

**Persistence and degradability**

No data available.

**Bioaccumulation**

No data available.

| Chemical Name               | Partition coefficient |
|-----------------------------|-----------------------|
| 2-Butoxyethanol<br>111-76-2 | 0.81                  |

**Other adverse effects**

No data available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT**

**Marine pollutant**

Not regulated  
 No available data.

**IATA**

Not regulated

IMDG Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | Does not comply |
| <b>DSL/NDSL</b>      | Does not comply |
| <b>EINECS/ELINCS</b> | Does not comply |
| <b>ENCS</b>          | Does not comply |
| <b>IECSC</b>         | Does not comply |
| <b>KECL</b>          | Does not comply |
| <b>PICCS</b>         | Does not comply |
| <b>AICS</b>          | Does not comply |

### 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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

|  |     |
|--|-----|
| <b>Acute health hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | 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, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### California Proposition 65

unknown

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

#### U.S. EPA Label Information

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

|             |                |   |              |   |                  |   |                                  |   |
|-------------|----------------|---|--------------|---|------------------|---|----------------------------------|---|
| <u>NFPA</u> | Health hazards | 1 | Flammability | 0 | Instability      | 0 | Physical and Chemical Properties | - |
| <u>HMIS</u> | Health hazards | 1 | Flammability | 0 | Physical hazards | 0 | Personal protection              | X |

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**Revision Note**

No data available

**Disclaimer**

The information provided in this 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**