

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Product name : URETHANE CONVERTOR  
 Product code : BX015

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

No additional information available

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

Crown Paint Company  
 1801 W. Sheridan  
 Oklahoma City, 73106 - United States  
 T 1-405-232-8580  
[crownpaint@polyglasscoatings.com](mailto:crownpaint@polyglasscoatings.com) - [www.crownpaintok.com](http://www.crownpaintok.com)

#### 1.4. Emergency telephone number

Emergency number : In the event of an emergency involving dangerous goods:  
 in Canada call CHEMTREC at 1-800-424-9300 24 hours / 7 days (Account Name for Canada Endura Manufacturing Co. Ltd.)  
 in the US call CHEMTREC at 1-800-424-9300 24 hours / 7 days (Account Name for US is Polyglass Coatings)

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|   |      |                                   |
|---|------|-----------------------------------|
| Flammable liquids Category 3                                | H226 | Flammable liquid and vapor        |
| Acute toxicity (inhalation:dust,mist) Category 4            | H332 | Harmful if inhaled                |
| Specific target organ toxicity (single exposure) Category 3 | H336 | May cause drowsiness or dizziness |
| Full text of H statements : see section 16                  |      |                                   |

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H226 - Flammable liquid and vapor  
 H332 - Harmful if inhaled  
 H336 - May cause drowsiness or dizziness

Precautionary statements (GHS-US) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 - Keep container tightly closed.  
 P240 - Ground/Bond container and receiving equipment  
 P241 - Use explosion-proof electrical/ventilating/lighting equipment  
 P242 - Use only non-sparking tools.  
 P243 - Take precautionary measures against static discharge.  
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
 P312 - Call a poison center/doctor/physician if you feel unwell  
 P370+P378 - In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2) to extinguish  
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235 - Store in a well-ventilated place. Keep cool.  
 P405 - Store locked up.  
 P501 - Dispose of contents/container in accordance with all local, regional, national and

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international regulations.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name            | Product identifier | wt%     | GHS US classification  |
|-----------------|--------------------|---------|--|
| n-butyl acetate | (CAS-No.) 123-86-4 | 30 – 40 | Flam. Liq. 3, H226<br>Acute Tox. 2 (Inhalation:vapour),<br>H330<br>STOT SE 3, H336 |

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Call a poison center/doctor/physician if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off all contaminated clothing immediately.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects : May cause drowsiness or dizziness.
- Symptoms/effects after inhalation : May cause drowsiness or dizziness.
- Symptoms/effects after skin contact : May cause moderate irritation.
- Symptoms/effects after eye contact : Irritation to eyes.
- Symptoms/effects after ingestion : Harmful if swallowed.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable liquid and vapor.
- Reactivity : Flammable liquid and vapor.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapors/spray.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| n-butyl acetate (123-86-4) |                                     |                       |
|----------------------------|-------------------------------------|-----------------------|
| ACGIH                      | ACGIH TWA (ppm)                     | 50 ppm                |
| ACGIH                      | ACGIH STEL (ppm)                    | 150 ppm               |
| ACGIH                      | Remark (ACGIH)                      | Eye & URT irr         |
| OSHA                       | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 710 mg/m <sup>3</sup> |
| OSHA                       | OSHA PEL (TWA) (ppm)                | 150 ppm               |

### 8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Hand protection : Protective gloves.
- Eye protection : Safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Wear respiratory protection.
- Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Color : No data available
- Odor : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.  
Mixture contains one or more component(s) which have the following odour:  
Fruity odour
- Odor threshold : No data available
- pH : No data available
- Melting point : Not applicable
- Freezing point : No data available
- Boiling point : 126.667 °C  
260 °F
- Flash point : 34 °C  
93 °F
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : No data available

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|   |                           |
|---|---------------------------|
| Explosion limits                                | : 1.7 – 7.6 vol %         |
| Explosive properties                            | : No data available       |
| Oxidizing properties                            | : No data available       |
| Vapor pressure                                  | : No data available       |
| Relative density                                | : No data available       |
| Relative vapor density at 20 °C                 | : No data available       |
| Specific gravity / density                      | : 1.063 g/cm <sup>3</sup> |
| Solubility                                      | : No data available       |
| Partition coefficient n-octanol/water (Log Pow) | : No data available       |
| Auto-ignition temperature                       | : No data available       |
| Decomposition temperature                       | : No data available       |
| Viscosity                                       | : No data available       |
| Viscosity, kinematic                            | : No data available       |
| Viscosity, dynamic                              | : No data available       |

### 9.2. Other information

|   |                |
|---|----------------|
| VOC content (Regulatory - Less water and exempt solvents) | : 318.14 g/l   |
|   | : 2.655 lb/gal |
| VOC content (Material - Actual)                           | : 318.14 g/l   |
|   | : 2.655 lb/gal |
| Percent Solids (Weight)                                   | : 70 %         |
| Percent Solids (Volume)                                   | : 67 %         |
| Percent Volatile (Weight)                                 | : 30 %         |
| Percent Volatile (Volume)                                 | : 33 %         |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapor.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                           |  |
|---------------------------|--|
| Likely routes of exposure | : Dermal; Inhalation; Skin and eye contact |
| Acute toxicity            | : Not classified                           |

| URETHANE CONVERTOR         |   |
|----------------------------|---|
| ATE US (dust, mist)        | 2.467 mg/l/4h   |
| n-butyl acetate (123-86-4) |   |
| LD50 oral rat              | 10760 – 12789 mg/kg body weight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s))    |
| LD50 dermal rabbit         | > 14112 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))     |
| LC50 inhalation rat (mg/l) | 0.74 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Inhalation (mixture of vapour and aerosol), 14 day(s)) |
| ATE US (oral)              | 10760 mg/kg body weight   |

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| <b>n-butyl acetate (123-86-4)</b> |              |
|-----------------------------------|--------------|
| ATE US (vapors)                   | 0.74 mg/l/4h |
| ATE US (dust, mist)               | 0.74 mg/l/4h |

|  |                                      |
|--|--------------------------------------|
| Skin corrosion/irritation                          | : Not classified                     |
| Serious eye damage/irritation                      | : Not classified                     |
| Respiratory or skin sensitization                  | : Not classified                     |
| Germ cell mutagenicity                             | : Not classified                     |
| Carcinogenicity                                    | : Not classified                     |
| Reproductive toxicity                              | : Not classified                     |
| Specific target organ toxicity – single exposure   | : May cause drowsiness or dizziness. |
| Specific target organ toxicity – repeated exposure | : Not classified                     |
| Aspiration hazard                                  | : Not classified                     |
| Symptoms/effects after inhalation                  | : May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact                | : May cause moderate irritation.     |
| Symptoms/effects after eye contact                 | : Irritation to eyes.                |
| Symptoms/effects after ingestion                   | : Harmful if swallowed.              |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| <b>n-butyl acetate (123-86-4)</b> |  |
|-----------------------------------|--|
| LC50 fish 1                       | 18 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)   |
| EC50 Daphnia 1                    | 44 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia sp., Static system, Fresh water, Experimental value, Locomotor effect)       |
| ErC50 (algae)                     | 397 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP) |

### 12.2. Persistence and degradability

| <b>n-butyl acetate (123-86-4)</b> |                                    |
|-----------------------------------|------------------------------------|
| Persistence and degradability     | Readily biodegradable in water.    |
| ThOD                              | 2.21 g O <sub>2</sub> /g substance |
| BOD (% of ThOD)                   | 0.46                               |

### 12.3. Bioaccumulative potential

| <b>n-butyl acetate (123-86-4)</b>               |   |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Bioaccumulative potential                       | Low potential for bioaccumulation (Log Kow < 4).  |

### 12.4. Mobility in soil

| <b>n-butyl acetate (123-86-4)</b>               |  |
|---|--|
| Surface tension                                 | 61.3 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions) |
| Partition coefficient n-octanol/water (Log Koc) | 1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)             |
| Ecology - soil                                  | Highly mobile in soil.   |

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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Additional information : Flammable vapors may accumulate in the container.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1263 Paint related material, 3, III

UN-No.(DOT) : UN1263

Proper Shipping Name (DOT) : Paint related material

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : III - Minor Danger

DOT Packaging Non Bulk (49 CFR 173.xxx) : 173

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Special Provisions (49 CFR 172.102) : 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons).  
B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.  
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.  
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.  
TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).  
TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

Emergency Response Guide (ERG) Number : 128

Other information : No supplementary information available.

#### Transportation of Dangerous Goods

Transport document description : UN1263 PAINT RELATED MATERIAL, 3, III

UN-No. (TDG) : UN1263

Proper Shipping Name (Transportation of Dangerous Goods) : PAINT RELATED MATERIAL

TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids

Packing group : III - Minor Danger

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|   |  |
|---|--|
| TDG Special Provisions  | : 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20 per cent nitrocellulose if the nitrocellulose contains not more than 12.6 per cent nitrogen (by dry mass), 142 - The following shipping names may be used to meet the requirements of Part 3 (Documentation) and Part 4 (Dangerous Goods Safety Marks) when these dangerous goods are offered for transport in the same means of containment: (a) "PAINT RELATED MATERIAL" may be used for a means of containment containing both paint and paint related material; (b) "PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE" may be used for a means of containment containing both paint, corrosive, flammable, and paint related material, corrosive, flammable; (c) "PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE" may be used for a means of containment containing both paint, flammable, corrosive, and paint related material, flammable, corrosive; and (d) "PRINTING INK RELATED MATERIAL" may be used for a means of containment containing both printing ink and printing ink related material. SOR/2014-306 |
| Explosive Limit and Limited Quantity Index                                  | : 5 L  |
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : 60 L   |

### Transport by sea

|                             |  |
|-----------------------------|--|
| UN-No. (IMDG)               | : 1263                                   |
| Proper Shipping Name (IMDG) | : PAINT RELATED MATERIAL                 |
| Class (IMDG)                | : 3 - Flammable liquids                  |
| Packing group (IMDG)        | : III - substances presenting low danger |

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

|   |         |
|---|---------|
| <b>n-butyl acetate (123-86-4)</b>                                 |         |
| Not listed on SARA Section 313 (Specific toxic chemical listings) |         |
| CERCLA RQ   | 5000 lb |

### 15.2. International regulations

#### CANADA

|  |
|--|
| <b>URETHANE CONVERTOR</b>  |
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

|  |
|--|
| <b>n-butyl acetate (123-86-4)</b>                          |
| U.S. - Massachusetts - Right To Know List                  |
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - Pennsylvania - RTK (Right to Know) List             |

## SECTION 16: Other information

Revision date : 06/30/2021

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Full text of H-phrases:

|      |                                   |
|------|-----------------------------------|
| H226 | Flammable liquid and vapor        |
| H330 | Fatal if inhaled                  |
| H332 | Harmful if inhaled                |
| H336 | May cause drowsiness or dizziness |

SDS US Endura

*The information contained here has been compiled from sources considered by Endura Manufacturing Co. Ltd to be dependable and is accurate to the best of the Company's knowledge. However, neither Endura Manufacturing Co. Ltd or any of its subsidiaries assume any liability whatsoever for the accuracy of completeness of the information contained herein. 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. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.*