

## Safety Data Sheet acc. to OSHA HCS

Printing date 05/23/2017

Reviewed on 05/23/2017

### 1 Identification

- **Product identifier**
  - **Trade name:** **UR3001HP Clear B**
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
ResinLab, LLC  
N109 W13300 Ellsworth Drive  
Germantown, WI 53022  
1-877-259-1669  
www.resinlab.com
  - **Information Department:** Product Safety Department: msds@resinlab.com
  - **Emergency Telephone Number:**  
North America - Chemtrec: 1-800-424-9300 (24 hours)  
International - Chemtrec: 01-703-527-3887 (24 hours)

### 2 Hazard(s) identification

- **Classification of the substance or mixture**  
Repr. 2 H361 Suspected of damaging fertility or the unborn child.  
Aquatic Acute 3 H402 Harmful to aquatic life.
- **Label elements**
  - **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms**



GHS08

- **Signal word** Warning
- **Hazard-determining components of labeling:**  
2,2'-Methylenebis(4-methyl-6-tert-butylphenol)
- **Hazard statements**  
H361 Suspected of damaging fertility or the unborn child.  
H402 Harmful to aquatic life.
- **Precautionary statements**  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF exposed or concerned: Get medical advice/attention.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
  - **NFPA System**
    - **NFPA ratings (scale 0 - 4)**


 Health = 1  
 Fire = 1  
 Reactivity = 0

NFPA special hazards (water reactivity and oxidizing property): None

- **HMIS System**
    - **HMIS-ratings (scale 0 - 4)**
- |            |   |  |
|------------|---|--|
| HEALTH     | 1 | Health = 1<br>Fire = 1<br>Reactivity = 0 |
| FIRE       | 1 |  |
| REACTIVITY | 0 |  |

- **Other hazards**
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Dangerous components:**

CAS	EINECS	RTECS	
CAS: 128-37-0	2,6-di-tert-butyl-p-cresol	Aquatic Acute 1, H400 Acute Tox. 4, H302	1-<2.5%
EINECS: 204-881-4 RTECS: GO 7875000			
CAS: 119-47-1	2,2'-Methylenebis(4-methyl-6-tert-butylphenol)	Repr. 2, H361 Aquatic Chronic 4, H413	1-2.5%
EINECS: 204-327-1			
CAS: 77-58-7	Dibutyltin dilaurate	Muta. 2, H341; Repr. 1B, H360; STOT RE 1, H372 Skin Corr. 1C, H314; Eye Dam. 1, H318 Skin Sens. 1, H317	0-<0.1%
EINECS: 201-039-8 RTECS: WH 7000000			

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- **Additional information:**  
If the chemical name/CAS number is proprietary and or weight percentage is listed as a range, the specific chemical identity and or percentage of composition has been withheld as a trade secret.

### 4 First-aid measures

- **Description of first aid measures**
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
Generally the product does not irritate the skin.  
If skin irritation or rash occurs, get medical advice/attention.
  - **After eye contact:**  
Remove contact lenses if present and easy to do so; continue rinsing.  
Rinse opened eye for several minutes under running water.  
If symptoms develop seek medical attention.
  - **After swallowing:**  
If victim is unconscious; never give anything by mouth.  
If victim is conscious, rinse out mouth with water.  
Get medical attention if you feel unwell.
  - **Information for doctor:**
    - **Most important symptoms and effects, both acute and delayed** No further relevant information available.
    - **Indication of any immediate medical attention and special treatment needed**  
Check section 11 Toxicological Information for further relevant information.

### 5 Fire-fighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**  
Will not burn unless preheated.  
Various hydrocarbons  
Carbon dioxide (CO<sub>2</sub>) and Carbon monoxide (CO)
- **Advice for firefighters**
  - **Protective equipment:**  
If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA fire brigades standard (29 CFR 1910.156).  
As with any fire, wear positive-pressure self-contained breathing apparatus and full protective gear that are NIOSH approved.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Do not breathe gas, vapors, dusts or mists if their inhalable particles occur during use.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
For large spills: provide diking or containment to minimize spreading. If possible pump and store material in appropriate container.  
For small spills: Ventilate and wash area. Collect spills and absorbant material in appropriate container.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.

### 7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**  
Keep away from incompatible material(s).  
Avoid any release into the environment.  
For industrial or professional use only.  
Do not breathe dust/fumes/mist/vapor/spray.  
Avoid contact with eyes, skin and clothing.  
Keep away from heat, sparks, flames and ignition sources.  
Observe all the personal protection requirements in Section 8.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:**  
Keep stored in accordance with local, regional, national, and international regulations.

### 8 Exposure controls/personal protection

- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**

**128-37-0 2,6-di-tert-butyl-p-cresol**

REL Long-term value: 10 mg/m<sup>3</sup>

TLV Long-term value: 2\* mg/m<sup>3</sup>

\*as inhalable fraction and vapor

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**77-58-7 Dibutyltin dilaurate**

PEL	Long-term value: 0.1 mg/m <sup>3</sup> as Sn
REL	Long-term value: 0.1 mg/m <sup>3</sup> as Sn, Skin
TLV	Short-term value: 0.2 mg/m <sup>3</sup> Long-term value: 0.1 mg/m <sup>3</sup> as Sn; Skin

· **Additional Occupational Exposure Limit Values for possible hazards during processing:** None.

· **Exposure controls**

If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

If exposure limits have not been established, maintain airborne levels to an acceptable level.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.

· **Personal Protective Equipment (PPE)**

· **Breathing equipment:**

Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits.

Use a NIOSH approved air-purifying organic vapor respirator if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air supplied respirator. Observe OSHA regulations (29CFR 1910.134) for respirator use.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**



Chemical resistant gloves

· **Eye protection:**



Safety Glasses with side shields

· **Body protection:** Appropriate chemical resistant clothing.

· **Limitation and supervision of exposure into the environment**

The Engineering measures or controls, and PPE recommendations are only guidelines and may not apply to every situation. For additional information, please consult the corresponding requirements under OSHA 29 CFR 1910.94-95, and 29 CFR 1910.132-138.

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· **Form:** Liquid

· **Color:** Amber colored

· **Odor:** Sweetish

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

· **Melting point/Melting range:** Undetermined.

· **Boiling point/Boiling range:** Undetermined.

· **Flash point:** >200 °C (>392 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

· **Lower:** Not determined.

· **Upper:** Not determined.

· **Vapor pressure:** Not determined.

· **Vapor Density:** not determined

· **Density at 20 °C (68 °F):** 1.04 g/cm<sup>3</sup> (8.679 lbs/gal)

· **Relative density:** Not determined.

· **Vapor density:** Not determined.

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· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not determined.
· <b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	0.0 %
· <b>VOC content:</b>	0.0 g/l / 0.00 lb/gl
· <b>Solids content:</b>	3.8 %

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
  - **Hazardous Reactivity and Chemical Stability** Stable under normal conditions of use, storage and temperatures.
  - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** In contact with incompatible materials.
- **Conditions to avoid** Keep away from heat, sparks, flame and any other ignition sources.
- **Incompatible materials:**
  - Free radical producing initiators.
  - Oxidizing agents
  - Acids
  - Bases (Alkalis)
- **Hazardous decomposition products:** Refer to section 5.

### 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
    - **LD/LC50 values that are relevant for classification:**
    - See acute inhalative effect(s) for further information

#### 69102-90-5 1,3-Butadiene, homopolymer, hydroxy-terminated

Oral	LD50	(No data available)
Dermal	LD50	(No data available)
Inhalative	LC50/4 h	(No data available)

#### 3648-20-2 Diundecyl phthalate (DUP)

Oral	LD50	> 15800 mg/kg (rat) (No mortality found) The substance was not classified as an acute oral hazard. Reference: ECHA (2011).
Dermal	LD50	(rat) (LD0(OECD TG 402) ≥ 2000 mg/kg; No mortality found) No mortality or any health effects found in males or females; the substance was not classified as an acute dermal hazard. Reference: ECHA (2011).
Inhalative	LC50/4 h	(rat) (No mortality found at the saturated concentration) LC0/6 hours (150 °C) > 1.8 mg/L No mortality was observed up to the saturated vapor concentration of 1.8 mg/L; the substance was not classified as an acute inhalative hazard. Reference: ECHA (2011).

#### 128-37-0 2,6-di-tert-butyl-p-cresol

Oral	LD50	> 2930 mg/kg (rat) (LD0; OECD TG 401)
Dermal	LD50	≥ 2000 mg/kg (rat) (LD0; OECD TG 402; occlusive)
Inhalative	LC50/4 h	(No data available)

#### 119-47-1 2,2'-Methylenebis(4-methyl-6-tert-butylphenol)

Oral	LD50	(rat) (LD0 ≥ 5000 mg/kg; no death occurred) Reference: ECHA (2011).
Dermal	LD50	(rabbit) (LD0 ≥ 10000 mg/kg; no death occurred) No mortality or any clinical signs of toxicities observed at 10000 mg/kg bw. Reference: ECHA (2011).
Inhalative	LC50/4 h	(No data available)

- **Specific symptoms in biological assay:**
  - No further relevant information available; classification is not possible.
  - See acute inhalative effect(s) for further information.
- **Primary irritant effect:**
  - cough
  - sore throat
  - **on the skin:** No irritant effect.
  - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
  - The product shows the following dangers according to internally approved calculation methods for preparations:

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### · Carcinogenic categories

#### · IARC (International Agency for Research on Cancer)

128-37-0 2,6-di-tert-butyl-p-cresol

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#### · NTP (National Toxicology Program)

None of the ingredients is listed.

#### · OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

## 12 Ecological information

### · Toxicity

#### · Aquatic toxicity:

#### 69102-90-5 1,3-Butadiene, homopolymer, hydroxy-terminated

EC50 slightly irrit. mg/kg (Test species: n/a)

Although no appropriate human or animal health effects data were known to exist, this substance was expected to be a slight skin irritant.

Reference: Sartomer (M)SDS (2005).

#### 3648-20-2 Diundecyl phthalate (DUP)

EC50 slightly irrit. mg/kg (rabbit) (Federal Register 1500.51.1973)

Erythema: 1/1 (Max. 1; 1 out of 6 animals at 24 hrs; 4 out of 6 animals at 48 hrs)

Edema: 0 (6 out of 6 animals)

The substance was determined to be slightly irritating to skin (Category 3).

Reference: ECHA (2011).

#### 128-37-0 2,6-di-tert-butyl-p-cresol

EC50 slightly mg/kg (rabbit) (Patch test; Semioclusive; neat substance)

#### 119-47-1 2,2'-Methylenebis(4-methyl-6-tert-butylphenol)

EC50 not irritating mg/kg (rabbit) (OECD TG 404)

Primary dermal irritation index (24+48+72 hours) = 0/6 (Max. 6; mean score of all treated animals); the substance was not irritating to rabbit skin.

Reference: ECHA (2011).

· **Persistence and degradability** No further relevant information available.

#### · Behavior in environmental systems:

· **Bioaccumulative potential** No data available.· **Mobility in soil** No further relevant information available.· **Additional ecological information:** The product is non-rapid degradable, and low or not highly bioaccumulative.

#### · General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

#### · Results of PBT and vPvB assessment

· **PBT:** None of the ingredients is listed.· **vPvB:** None of the ingredients is listed.· **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

### · Waste treatment methods

· **Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

### · Uncleaned packagings:

· **Recommendation:** Dispose of according to your local waste regulations.

## 14 Transport information

### · UN-Number

· DOT, ADN, IMDG, IATA

not regulated

### · UN proper shipping name

· DOT, ADN, IMDG, IATA

not regulated

### · Transport hazard class(es)

· DOT, ADN, IMDG, IATA

· Class

not regulated

### · Packing group

· DOT, IMDG, IATA

not regulated

### · Environmental hazards:

Not applicable.

### · Special precautions for user

Not applicable.

### · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

### · UN "Model Regulation":

not regulated

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### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **SARA Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **SARA Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **SARA Section 311/312 (Hazardous Chemical Inventory Reporting)**

119-47-1	2,2'-Methylenebis(4-methyl-6-tert-butylphenol)	A	1-2.5%
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· **Hazard Abbreviations for SARA 311/312**

A - Acute Health Hazard  
 C - Chronic Health Hazard  
 F - Fire Hazard  
 R - Reactive Hazard  
 S - Sudden Release of Pressure Hazard

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

128-37-0	2,6-di-tert-butyl-p-cresol	A4
77-58-7	Dibutyltin dilaurate	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **International Regulation Lists**

· **Chinese Chemical Inventory of Existing Chemical Substances:**

All ingredients are listed.

· **National regulations:**

· **Japanese Existing and New Chemical Substance List:**

All ingredients are listed.

· **Korean Existing Chemical Inventory:**

All ingredients are listed.

· **European Pre-registered substances:**

All ingredients are listed.

· **REACH - Substances of Very High Concern (SVHC) List:**

None of the ingredients is listed.

· **Restriction of Hazardous Substances Directive (RoHS) list:**

None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department Issuing (M)SDS:** Product Development Department

· **Contact:** msds@resinlab.com

· **Date of preparation / last revision** 05/23/2017 / 3

· **\* Data compared to the previous version altered.**