

Issuing Date 26-Jan-2023

Revision Date 07-Jul-2023

Revision Number 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

**Product Name** TOUGH-SEAL™ ULTRA 60B

### Other means of identification

**Product Code(s)** PC8060B

None

### Manufacturer Address

Key Polymer Holdings, LLC  
17 Shepard Street  
Lawrence, MA 01843, USA

### Company Phone Number

978-683-9411 (8AM - 5PM EST) (M-F)

### Emergency Telephone

Chemtrec 1-800-424-9300 (24 Hours) CCN 12410

## 2. Hazards Identification

### Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1

## Emergency Overview

### DANGER

#### Hazard statements

Harmful if swallowed  
Harmful in contact with skin  
Causes severe skin burns and eye damage  
May cause an allergic skin reaction



**Appearance** N/A Amber

**Physical state** Liquid

**Odor** Mild amine odor



**Ingestion** Clean mouth with water and drink afterwards plenty of water.

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

**Symptoms** N/A.

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

**Note to physicians** Treat symptomatically.

## 5. Fire-Fighting Measures

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

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

**Specific hazards arising from the chemical**

N/A.

**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** Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** 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** Pick up and transfer to properly labeled containers.

## 7. Handling and Storage

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

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

## 8. Exposure Controls/Personal Protection

**Control parameters****Exposure Limits**

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Trade secret	STEL: 0.2 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> Sn S*	TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) S*	IDLH: 25 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> except Cyhexatin Sn
Propan-1-ol 71-23-8	TWA: 100 ppm	TWA: 200 ppm TWA: 500 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 500 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 625 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 200 ppm TWA: 500 mg/m <sup>3</sup> STEL: 250 ppm STEL: 625 mg/m <sup>3</sup>

**Appropriate engineering controls****Engineering controls**

Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment****Eye/face protection**

No special technical protective measures are necessary.

**Skin and body protection**

No special technical protective measures are necessary.

**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**

Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Mild amine odor
<b>Appearance</b>	N/A	<b>Odor threshold</b>	N/A
<b>Color</b>	Amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	N/A	
Melting point / freezing point	N/A	
Boiling point / boiling range	N/A	
Flash point	N/A	
Evaporation rate	N/A	
Flammability (solid, gas)	N/A	
Flammability Limit in Air		
Upper flammability limit:	N/A	
Lower flammability limit:	N/A	
Vapor pressure	N/A	
Vapor density	N/A	
Relative density	0.994 g/cc	
Water solubility	N/A	
Solubility in other solvents	N/A	

Partition coefficient	N/A
Autoignition temperature	N/A
Decomposition temperature	N/A
Kinematic viscosity	N/A
Dynamic viscosity	400-800 Cps
Explosive properties	N/A
Oxidizing properties	N/A

**Other Information**

Softening point	N/A
Molecular weight	N/A
VOC Content (%)	N/A
Liquid Density	0.994 g/cm <sup>3</sup>
Bulk density	N/A

## 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**

Extremes of temperature and direct sunlight.

**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**

**Inhalation** No data available.

**Eye contact** No data available.

**Skin contact** No data available.

**Ingestion** No data available.

Chemical name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
Trade secret	= 242 mg/kg ( Rat )	= 2980 mg/kg ( Rabbit )	> 0.74 mg/L ( Rat ) 8 h
Trade secret	= 2140 µL/kg ( Rat )	= 866 mg/kg ( Rabbit )	-
Trade secret	-	> 2000 mg/kg ( Rat )	-
Propan-1-ol 71-23-8	= 1870 mg/kg ( Rat )	= 4049 mg/kg ( Rabbit )	> 33.8 mg/L ( Rat ) 4 h

**Information on toxicological effects**

N/A.

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

Sensitization	N/A.
Germ cell mutagenicity	N/A.
Carcinogenicity	N/A.
Reproductive toxicity	N/A.
STOT - single exposure	N/A.
STOT - repeated exposure	N/A.
Aspiration hazard	N/A.

**Numerical measures of toxicity - Product Information**

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

ATEmix (oral)	359.90 mg/kg
ATEmix (dermal)	1,422.30 mg/kg mg/l

**12. Ecological Information****Ecotoxicity**

Toxic to aquatic life with long lasting effects

1.43 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Trade secret	495: 72 h Pseudokirchneriella subcapitata mg/L EC50	1950 - 2460: 96 h Pimephales promelas mg/L LC50 flow-through 1000: 96 h Poecilia reticulata mg/L LC50 semi-static 100: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	32: 48 h Daphnia magna mg/L EC50
Trade secret		0.09: 96 h Danio rerio mg/L LC50 semi-static	
Propan-1-ol 71-23-8		4480: 96 h Pimephales promelas mg/L LC50 flow-through	3642: 48 h Daphnia magna mg/L EC50 3339 - 3977: 48 h Daphnia magna mg/L EC50 Static

**Persistence and degradability**

N/A

Chemical name	Partition coefficient
Trade secret	-1.48
Propan-1-ol 71-23-8	0.34

**Other adverse effects**

N/A

**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.

## 14. Transport Information

<b><u>DOT</u></b>	Not regulated
<b><u>ICAO (air)</u></b>	Not regulated
<b>UN/ID no.</b>	2735
<b>Proper shipping name</b>	AMINES, LIQUID, CORROSIVE, N. O, S. (Polyoxypropylenediamine)
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated
<b>UN/ID no.</b>	2735
<b>Proper shipping name</b>	Amines, liquid, corrosive, N.O.S.
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>EmS-No.</b>	F-A, S-B
<b>Special Provisions</b>	18. Alkalis group
<b>UN/ID no.</b>	2735
<b>Hazard Class</b>	C7
<b>Packing Group</b>	III
<b>Special Provisions</b>	Hazard Identification Number 80
<b>UN/ID no.</b>	2735
<b>Hazard Class</b>	C7
<b>Packing Group</b>	III
<b>Tunnel restriction code</b>	(E)
<b>Labels</b>	AMINES, LIQUID, CORROSIVE, N. O, S. (Polyoxypropylenediamine)
UN number	2735
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

## 15. Regulatory Information

### International Inventories

#### Legend:

TSCA - *United States Toxic Substances Control Act Section 8(b) Inventory*  
 DSL/NDSL - *Canadian Domestic Substances List/Non-Domestic Substances List*

### 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>	No
<b>Chronic Health Hazard</b>	No
<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**

The following chemicals may be contained in this product in de minimis amounts not required for listing in section 3. However, these chemicals do appear on some state Right-to-Know (RTK) and/or other hazardous substance lists. Please check your state's listings for more information.

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

Chemical name	New Jersey	Massachusetts	Pennsylvania
Trade secret	X	X	X
Propan-1-ol 71-23-8	X		X

#### **U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

### 16. Other Information

Issuing Date 26-Jan-2023  
Revision Date 07-Jul-2023

#### **Revision Note**

N/A

#### **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**