

### SECTION 1 – IDENTIFICATION OF THE SUBSTANCE AND MANUFACTURER

#### 1.1 Product Identifier

**Product Code** 1303-03  
**SDS#** MTVBUB  
**SDS Date** September 26, 2018

#### MOTIV Bubble Buster Air Release

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Product Use** Air bubble release for epoxy used in bowling ball hole filling (ball plugging)  
**Uses Advised Against** Avoid usage in enclosed spaces or with poor ventilation

#### 1.3 Details of the Supplier of the Substance or Mixture

**Manufacturer/Preparer** MOTIV Bowling  
18570 Trimble Court  
Spring Lake, MI 49456

#### 1.4 Emergency Telephone Number

Emergency Response Information (ERI) telephone numbers are managed by PERS:  
USA and Canada: 1-800-633-8253  
International: 1-801-629-0667  
**Other Product Information:** 1-800-235-8324

### SECTION 2 – HAZARDS IDENTIFICATION / EXPOSURE LIMITS

#### 2.1 Classification of the Substance or Mixture

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

**H100s = General, H200s = Physical, H300s = Health, H400s = Environmental**

H227 Combustible liquid (North America), Not Regulated (Elsewhere)

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H320 Causes eye irritation


H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness.

H371 May cause damage to organs.

#### 2.2 GHS Required Label Elements

Pictograms	Signal Word
	<b>DANGER!!!</b>

#### Precautionary Statements:

**P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal**

P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 Wash with soap & water thoroughly after handling.  
P270 Do not eat, drink, or smoke when using this product.  
P271 Use only outdoors or in well-ventilated area.

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352	IF ON SKIN: Wash with soap & water.
P304+340	IF INHALED: Remove victims to fresh air & keep at rest in a position comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – then continue rinsing.
P309+311	If exposed or you feel unwell: Call a POISON CENTER or doctor/physician.
P332+313	If skin irritation occurs: Get medical advice/attention.
P337+313	If eye irritation persists, get medical advice/attention.
P361	Remove/Take off immediately all contaminated clothing.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Unknown.

## 2.4 Other Classifications

### HMIS Ratings

HEALTH	2
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION:	H

### NFPA Ratings

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0
SPECIFIC HAZARD	N/A

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical Name	CAS Number / EINICS Number / REACH Reg. Number	% (wt)	EU Classification (67/548/EEC)*	Formula and Molecular Weight
2-Butoxyethanol	111-76-2 203-905-0	> 50%	Xn See above Section 2.1 and 2.2	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>  M.W.= 118.17 g/mol
Proprietary Additive	Proprietary	< 50%	Not Hazardous	Proprietary

\* Risk phrases for components are not always relevant to this product

## SECTION 4 – FIRST AID MEASURES

### 4.1 Description of Necessary First Aid Measures

<b>After eye contact:</b>	Immediately flush eyes with eyewash solution or water (for 10 minutes). See an oculist.
<b>After skin contact:</b>	Rinse with running water and soap. Apply oil replenishing cream.
<b>After inhalation:</b>	Seek medical advice if significant amounts of mist/vapor inhaled.
<b>After ingestion:</b>	Rinse mouth and throat. Drink 1-2 glasses of water if conscious. Do not induce vomiting. Seek medical advice immediately. 2-Butoxyethanol (a solvent) is the danger. No specific antidote. Treat symptoms and condition of patient. Aspiration is greatest danger.

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

Drying of skin from contact potentially causing skin irritation. No history of other effects.

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

None known. If any unusual symptoms appear, seek medical advice.

### SECTION 5 – FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

Use normal extinguishing media for liquid fire. Volume is very small.

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

Potential source of flash fire if heated to high temperatures and exposed to spark or flame.

#### 5.3 Advice for firefighters

No particular or special measures required.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

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

- Avoid contact with skin and eyes, do not breath vapors.
- Danger of slipping on spilled product.
- Wear gloves to avoid skin contact. Wear goggles if potential splashing while cleaning up.

#### 6.2 Environmental precautions

- Material in normal package sizes does not pose environmental issue.

#### 6.3 Methods and materials for containment and cleaning up

- Absorb with media and dispose of in approved manner. Use caution if walking in or near as spilled material may create slippery areas.

#### 6.4 Reference to other sections

- Section 8

### SECTION 7 – HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Do not get in eyes, on skin, or on clothing. Be aware of slippery nature of material on floor. Do not breathe vapors. Keep container tightly closed. Promptly clean up spills to avoid slipping. Wash hands thoroughly after handling product.

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

Store at temperatures below 70°F (21°C) in a cool, dry area away from sources of ignition or excessive heat. Keep away from reactive materials such as acids or ammonia. Storage containers should not be made from aluminum. Keep container tightly closed and in a well ventilated place.

#### 7.3 Specific end use(s)

Surface bubble removal from bowling ball epoxy plugging operations in preparation for re-drilling of ball.

### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%**

#### 8.1 Control Parameters

Chemical Name	US OEL	EU IOEL	UK OEL	Germany OEL
2-Butoxyethanol	20.000 ppm TWA	None Established	None Established	No Info

Refer to local or national authority for exposure limits not listed above.

Chemical Name	Biological Limit Value
2-Butoxyethanol	5.000 ppm TWA, 24 mg/m <sup>3</sup>

## 8.2 Exposure Controls

**ENGINEERING CONTROLS:** Use only with adequate ventilation. Keep containers closed. Eye wash station or similar equipment should be available during use. Warn potential by passers of slippery nature of the product using sign or fencing. Eliminate all possible sources of ignition.

**RESPIRATORY PROTECTION:** Keep adequate ventilation and air circulation during mixing and usage.

**SKIN PROTECTION:** Avoid skin contact. People with allergies or preexisting skin conditions should avoid contact with this product. Wear adequate body and extremity protective clothing during potential excessive contact.

**EYE PROTECTION:** Avoid eye contact. Wear chemical goggles.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic Physical and Chemical Properties

Appearance:	Slightly translucent to clear liquid
Odor:	Solvent smell, moderate
Odor Threshold:	Not determined
pH:	7.0
Boiling Point (IBP, 50%, Dry Point):	166, 170, 172°C / 331, 338, 342°F
Flash Point:	62°C (145°F) Tag Closed Cup
Auto Ignition Temperature:	398°C / 750°F
Explosive properties:	Unknown
Oxidizing properties:	none
Vapor pressure (mm Hg @ 20°C):	0.65
Relative density (water = 1):	0.956
Solubility in water:	slightly miscible
Partition coefficient:	Unknown
Vapor density (air = 1):	4.1
Evaporation rate:	> water
Color:	Clear

### 9.2 Other information

Mean Corrositex® Time: Unknown, non-corrosive

## SECTION 10 – STABILITY AND REACTIVITY

### 10.1 Reactivity

This material is not reactive under normal conditions.

### 10.2 Chemical Stability

Stable

### 10.3 Possibility of Hazardous Reactions

Reacts with strong oxidizers, heat, & open flame.

### 10.4 Conditions to Avoid

Avoid temperatures over 120°F (46°C).

### 10.5 Incompatible Materials

Strong oxidizing agents and acidic agents.

### 10.6 Hazardous Decomposition Products

Smoke may be acrid and fume irritating. Burning generates CO, CO<sub>2</sub> and smoke.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

#### Acute Hazards

**Eye Contact:** May cause eye irritation. Ocular irritation 24h test results list 2-Butoxyethanol as a Moderate Irritant.

**Skin Contact:** May cause slight irritation in some individuals.

**Inhalation:** May cause slight irritation in some individuals. Human exposure above 200ppm for 2-Butoxyethanol component of this material can be expected to cause narcosis.

**Ingestion:** May cause irregularities to stomach. The acute oral toxicity of this product has not been tested. If any numbness or headaches, immediately consult physician. Swallowing causes sour taste that turns to a burning sensation. This is followed by numbness of tongue which indicates paralysis of the sensory nerve endings.

#### Subchronic Hazards / Conditions Aggravated

##### CONDITIONS AGGRAVATED

Chronic overexposure can cause harm to affected organs by routes of entry. Persons with severe skin, liver or kidney problems should avoid use.

#### Chronic Hazards

##### Carcinogenicity:

IARC: 2-Butoxyethanol – Not classifiable as to its carcinogenicity to humans

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by OSHA

**Sub-Chronic Data:** This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be “probable” or “suspected” human carcinogens.

## SECTION 12 – ECOLOGICAL INFORMATION

### 12.1 Toxicity

-Estimated slightly toxic to fish however in container size, anticipation of impact is negligible.

### 12.2 Persistence and degradability

- majority of product is biodegradable. Minor portion is not readily biodegradable.

### 12.3 Bioaccumulative potential

- none known

### 12.4 Mobility in soil

- No Data

### 12.5 Results of PBT (persistent, bioaccumulative and toxic) and/or vPvB (very persistent and very bioaccumulative) assessment.

- no data to suggest PBT or vPvB risk.

### 12.6 Other adverse effects

- no data available

## SECTION 13 - DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

- material is used in encapsulation process and residue is minimal.

### 13.2 Classification

Anti-foam compound.

**SECTION 14 – TRANSPORT INFORMATION**

<b>14.1 UN Number</b>	Not Regulated
<b>14.2 UN Proper Shipping Name</b>	Not Regulated
<b>14.3 Transport hazard class(es)</b>	Not hazardous
<b>14.4 Packing Group</b>	not applicable
<b>14.5 Environmental hazards</b>	None known relative to the amounts involved
<b>14.6 Special precautions for user</b>	Keep bottles tightly sealed when not in use. Keep away from heat.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC Code</b>	Not applicable
<b>14.8 Additional Information</b>	
<b>IMDG Packaging Instruction(s):</b>	Normal Regulations
<b>Emergency Response Guidebook No.:</b>	128
<b>IMDG Limited Quantity:</b>	Not Applicable
<b>IMDG Special Labeling:</b>	None known
<b>IATA/ICAO:</b>	Not Regulated
<b>IMO/IMDG:</b>	Not Regulated

**SECTION 15 – REGULATORY INFORMATION****15.1 Safety, health and environmental regulation specific for the substance or mixture**

**EEC (EINECS) No:** Mixture / Not Listed

**SARA 302 COMPONENTS:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, section 302.

**SARA 313 COMPONENTS:**

\*2-Butoxyethanol CAS#:111-76-2 EINECS#: 203-905-0 RQ: none

**SARA 311/312 HAZARDS:**

Acute Health, Chronic Health, Fire

**TSCA (Toxic Substances Control Act of 1976, USA)**

All substances are TSCA listed or exempt.

**EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45:**

This product does not contain substances that are subject to the reporting requirements of section 313 Title III SARA of 1986 and 40 CRF part 372.

**Massachusetts Right to Know Components:**

2-Butoxyethanol CAS# 111-76-2

**Pennsylvania Right to Know Components:**

2-Butoxyethanol CAS# 111-76-2

**New Jersey Right to Know Components:**

2-Butoxyethanol CAS# 111-76-2

California Proposition 65 (Chemicals known to cause cancer or reproductive toxicity, Sept. 2, 2011 revision, USA):

This product does not contain any of the listed substances

**RoHS:** This product does not contain any lead, cadmium, mercury, chromium, PBB's, or PBDE's, and complies with European RoHS regulations.

**Approved Code of Practice:** The Control of Substances Hazardous to Health.

**WHMIS/CANADA Ingredient List:**

Listed Ingredient: 2-Butoxyethanol 111-76-2  
 B3: Combustible Liquid  
 D2B: Irritating to skin / eyes

**15.2 Chemical safety assessment**

This mixture has been evaluated by the manufacturer and engineering staff to be a consumer friendly and effective product for the elimination of bubbles in the epoxy while plugging bowling balls. Historical use of this product and similar versions, indicate that there are extremely minimal, if any, risks to user health and the environment when properly used.

## SECTION 16 – OTHER INFORMATION

Sources of key data: [http://www.unece.org/fileadmin/DAM/trans/danger/publi/ghs/ghs\\_rev02](http://www.unece.org/fileadmin/DAM/trans/danger/publi/ghs/ghs_rev02)  
<http://echa.europa.eu/information-on-chemicals>  
 OEHHA Proposition 65 Website  
 CHIP3 and OSHA-HCS Approved Code of Practice  
 Carriage of Dangerous Goods by Road (CD-ROM)  
 IMDG Code on CD-ROM Version 5.1 (2001)  
 Proprietary Raw Material Supplier MSDS  
 Approved Supply List (Seventh Edition)  
 Supplier SDS Sheets

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