



## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 1 of 10

**HYB Sealer**

### SECTION 1: Identification

#### Product identifier

**Product name:** HYB Sealer

**Product code:** WX-110

#### Recommended use of the product and restriction on use

**Relevant identified uses:** Drying Aid for Automated Car Wash

**Uses advised against:** NA

**Reasons why uses advised against:** Not determined or not applicable.

#### Manufacturer or supplier details

**Manufacturer:**

**United States**

JBS Industries

2550 Henkle Drive

Lebanon, Ohio 45036

513-228-2800

SBAETEN@JBSINDUSTRIES.COM

#### Emergency telephone number:

**North America**

CHEMTREC

800-424-9300 (24 hours)

### SECTION 2: Hazard(s) identification

#### GHS classification:

Skin irritation, category 2

Serious eye damage, category 1

#### Label elements

##### Hazard pictograms:



**Signal word:** Danger

#### Hazard statements:

H315 Causes skin irritation

H318 Causes serious eye damage

#### Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection

P302+P352 IF ON SKIN: Wash with plenty of water.

P332+P313 If skin irritation occurs: Get medical advice/attention

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 2 of 10

## HYB Sealer

P362 Take off contaminated clothing and wash it before reuse

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**Hazards not otherwise classified:** None

### SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: N/A	OFS	<20
CAS number: 67-63-0	Propan-2-ol	<12
CAS number: 61789-77-3	Quaternary ammonium compounds, dicoco alkyl dimethyl, chlorides	<36
CAS number: 111-76-2	2-Butoxyethanol	<19.9

**Additional Information:** None

### SECTION 4: First aid measures

#### Description of first aid measures

##### General notes:

Show this Safety Data Sheet to the doctor in attendance

##### After inhalation:

If inhaled, removed person to fresh air. Keep person at rest. If symptoms persist, seek medical advice

##### After skin contact:

Wash off immediately with soap and plenty of water while removing contaminated clothing and shoes. Continue rinsing for at least 15 minutes. See a physician if irritation persists

##### After eye contact:

Immediately flush eyes, under eyelids with water for 15 minutes. Remove contact lenses, if present to do so. Protect unexposed eye. Continue rinsing on the way to hospital

##### After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by physician or poison control center. Rinse mouth with water. Never give anything to drink to an unconscious person. Seek medical advice

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

##### Acute symptoms and effects:

Symptoms may include blistering, irritation, burns and pain. Effects are dependent on exposure (dose, concentration, contact time)

##### Delayed symptoms and effects:

Symptoms of poisoning may appear several hours later

#### Immediate medical attention and special treatment

##### Specific treatment:

None known

##### Notes for the doctor:

Treat symptomatically

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 3 of 10

## HYB Sealer

### SECTION 5: Firefighting measures

#### Extinguishing media

##### Suitable extinguishing media:

Alcohol- resistant foam, Dry chemical or Carbon dioxide

##### Unsuitable extinguishing media:

None known

#### Specific hazards during fire-fighting:

Evacuate all personnel to a predetermined safe location, no less than 2,500 feet in all directions. Can explode or detonate under fire conditions. Burning material may produce toxic vapors

#### Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA)

#### Special precautions:

Avoid inhaling gases, fumes, mist, dust, vapor or aerosols. Avoid contact with eyes, skin, hair or clothing

### SECTION 6: Accidental release measures

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

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8

Wear appropriate personal protective equipment as specified in Section 8. Keep unnecessary and unprotected personnel from entering

#### Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

#### Methods and material for containment and cleaning up:

Carefully sweep material into a designated PLASTIC waste container. Collect in plastic containers only

#### Reference to other sections:

For disposal see section 13

For personal protection see section 8

### SECTION 7: Handling and storage

#### Precautions for safe handling:

Wear gloves and eye protection when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

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

Store in a cool, dry, well ventilated place. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use

### SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

#### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Propan-2-ol	67-63-0	STEL: 400 ppm
	Propan-2-ol	67-63-0	TWA: 200 ppm
	2-Butoxyethanol	111-76-2	TWA: 20 ppm

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 4 of 10

## HYB Sealer

Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Propan-2-ol	67-63-0	IDLH: 2000 ppm
	Propan-2-ol	67-63-0	STEL: 500 ppm (1,225 mg/m <sup>3</sup> )
	Propan-2-ol	67-63-0	TWA: 400 ppm ( 980 mg/m <sup>3</sup> )
	2-Butoxyethanol	111-76-2	IDLH: 700 ppm
	2-Butoxyethanol	111-76-2	TWA: 5 ppm
OSHA	Propan-2-ol	67-63-0	PEL: 400 ppm (OSHA PEL TWA 980 mg/m <sup>3</sup> )
	2-Butoxyethanol	111-76-2	TWA: 50 ppm
	2-Butoxyethanol	111-76-2	TWA: 240 mg/m <sup>3</sup>

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Information on monitoring procedures:

Not determined or not applicable.

### Appropriate engineering controls:

Effective ventilation in all processing areas.

### Personal protection equipment

#### Eye and face protection:

Tightly fitting safety goggles

#### Skin and body protection:

Impervious clothing, chemical resistant gloves

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory protection

### General hygienic measures:

Handle in accordance with good industrial hygiene and safety measures. Wash hands and face after handling chemical products. Wash hands before eating, drinking and smoking. Wash hands at the end of the workday. Appropriate techniques should be applied to remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Liquid
Odor	Std.
Odor threshold	Not determined or not available.
pH	6-8
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 5 of 10

## HYB Sealer

<b>Vapor density</b>	Not determined or not available.
<b>Density</b>	Not determined or not available.
<b>Relative density</b>	Not determined or not available.
<b>Solubilities</b>	Not determined or not available.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>Dynamic viscosity</b>	Not determined or not available.
<b>Kinematic viscosity</b>	Not determined or not available.
<b>Explosive properties</b>	Not determined or not available.
<b>Oxidizing properties</b>	Not determined or not available.

### Other information

#### SECTION 10: Stability and reactivity

##### Reactivity:

Does not react under normal conditions of use and storage.

##### Chemical stability:

Stable under normal storage and handling conditions.

##### Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

##### Conditions to avoid:

Incompatible materials.

##### Incompatible materials:

Strong oxidizing agents.

##### Hazardous decomposition products:

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

#### SECTION 11: Toxicological information

##### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

##### Substance data:

Name	Route	Result
OFS	oral	LD50 Rat: >15800 mg/kg
	dermal	LD50 Rabbit: >7940 mg/kg
Propan-2-ol	oral	LD50 Rabbit: 6410 mg/kg
	dermal	LD50 Rabbit: 12,800 mg/kg
	inhalation	LD50 Rabbit: 72.6 mg/L (4 H)
2-Butoxyethanol	oral	LD50 Rat: 470 mg/kg
	dermal	LD50 Rabbit: 220 mg/kg
	inhalation	LC50 Rat: 450 ppmV (4H)

##### Skin corrosion/irritation

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 6 of 10

## HYB Sealer

### Assessment:

Causes skin irritation.

### Product data:

No data available.

### Substance data:

Name	Result
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Causes severe burns and serious eye damage.
2-Butoxyethanol	Causes skin irritation

### Serious eye damage/irritation

#### Assessment:

Causes serious eye damage.

#### Product data:

No data available.

#### Substance data:

Name	Result
Propan-2-ol	Causes serious eye irritation.
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Causes serious eye damage.
2-Butoxyethanol	Causes eye irritation

### Respiratory or skin sensitization

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

No data available.

#### Substance data:

Name	Result
2-Butoxyethanol	Eye irritation - 24 h
	Skin irritation - 20 h

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

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

Name	Classification
Propan-2-ol	Group 3
2-Butoxyethanol	Group 3

**National Toxicology Program (NTP):** None of the ingredients are listed.

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

No data available.

**Substance data:** No data available.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 7 of 10

## HYB Sealer

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

Name	Result
2-Butoxyethanol	Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

Name	Result
Propan-2-ol	May cause drowsiness or dizziness.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Information on likely routes of exposure:

No data available.

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

### Other information:

No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
OFS	LC50 Fish: >1000 mg/L (96 hours)
2-Butoxyethanol	EC50 Daphnia magna (Water flea): 1,550 mg/L (48 h)

### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Persistence and degradability

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 8 of 10

## HYB Sealer

**Product data:** No data available.

**Substance data:**

Name	Result
Propan-2-ol	Readily biodegradable in water.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

### Disposal methods:

It is the responsibility of the waste generator to characterize all waste material according to regulatory entities

**Contaminated packages:** Not determined or not applicable.

## SECTION 14: Transport information

### United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not Regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

### International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None



# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 9 of 10

**HYB Sealer**

## SECTION 15: Regulatory information

### United States regulations

#### Inventory listing (TSCA):

N/A	OFS	Listed
67-63-0	Propan-2-ol	Listed
61789-77-3	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Listed
111-76-2	2-Butoxyethanol	Listed

#### Significant New Use Rule (TSCA Section 5):

111-76-2	2-Butoxyethanol	Listed
----------	-----------------	--------

**Export notification under TSCA Section 12(b):** Not determined.

**SARA Section 302 extremely hazardous substances:** Not determined.

#### SARA Section 313 toxic chemicals:

67-63-0	Propan-2-ol	Listed
61789-77-3	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Not Listed
111-76-2	2-Butoxyethanol	Not Listed

**CERCLA:** Not determined.

**RCRA:** Not determined.

**Section 112(r) of the Clean Air Act (CAA):** Not determined.

#### Massachusetts Right to Know:

67-63-0	Propan-2-ol	Listed
61789-77-3	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Not Listed
111-76-2	2-Butoxyethanol	Listed

#### New Jersey Right to Know:

67-63-0	Propan-2-ol	Listed
61789-77-3	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Not Listed
111-76-2	2-Butoxyethanol	Listed

#### New York Right to Know:

67-63-0	Propan-2-ol	Listed
61789-77-3	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Not Listed
111-76-2	2-Butoxyethanol	Listed

#### Pennsylvania Right to Know:

67-63-0	Propan-2-ol	Listed
61789-77-3	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Not Listed
111-76-2	2-Butoxyethanol	Listed

**California Proposition 65:** None of the ingredients are listed.

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 10 of 10

**HYB Sealer**

### Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 0-0-0

**HMIS:** 0-0-0

**Initial preparation date:** 05.23.2019

**End of Safety Data Sheet**