



Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

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SECTION 1: Identification

Product identifier

Product name: 5X

Product code: WX-402

Recommended use of the product and restriction on use

Relevant identified uses: Wax and Sealer

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:

P264 Wash contaminated area thoroughly with soap and water after handling.

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

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

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

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

P310 Immediately call a POISON CENTER/doctor if difficulty in breathing occurs.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: N/A	OFS	1-30
CAS number: 61789-77-3	Quaternary ammonium compounds, dicoco alkyl dimethyl, chlorides	1-30
CAS number: 111-76-2	2-Butoxyethanol	<30
CAS number: N/A	Proprietary ingredient 1 (PF2)	<30
CAS number: N/A	Proprietary ingredient 2 (PF2)	<30
CAS number: N/A	Proprietary ingredient 3 (PF2)	<30
CAS number: 68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	0.1-6
CAS number: 5131-66-8	3-butoxypropan-2-ol propylene glycol monobutyl ether	0.1-6
CAS number: 61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	0.29-9.3
CAS number: 68131-40-8	Alcohols, secondary C11-15, ethoxylated	0.26-11.4
CAS number: 84133-50-6	Alcohols, C12-14-secondary, ethoxylated	0.26-12
CAS number: 68131-39-5	Alcohols, C12-15, ethoxylated	0.1105-4.8 45

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:

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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

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 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

Avoid release to the environment. Prevent soil and water pollution. Prevent spreading in sewers. Notify authorities if product enters sewers or public waters

Methods and material for containment and cleaning up:

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

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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
OSHA	2-Butoxyethanol	111-76-2	TWA: 50 ppm
	2-Butoxyethanol	111-76-2	TWA: 240 mg/m ³
	Proprietary ingredient 2 (PF2)	N/A	Ceiling Limit: 25 ppm
	Proprietary ingredient 2 (PF2)	N/A	Ceiling Limit: 125 mg/m ³
	Proprietary ingredient 3 (PF2)	N/A	PEL: 5 ppm
	Proprietary ingredient 3 (PF2)	N/A	PEL: 15 mg/m ³
	Proprietary ingredient 3 (PF2)	N/A	TWA: 10 mg/m ³
	Proprietary ingredient 3 (PF2)	N/A	TWA: 5 mg/m ³
	Proprietary ingredient 3 (PF2)	N/A	8-Hour TWA-PEL: 5 mg/m ³
	Proprietary ingredient 3 (PF2)	N/A	8-Hour TWA-PEL: 10 mg/m ³
NIOSH	2-Butoxyethanol	111-76-2	IDLH: 700 ppm
	2-Butoxyethanol	111-76-2	TWA: 5 ppm
	Proprietary ingredient 2 (PF2)	N/A	Ceiling Limit: 25 ppm
	Proprietary ingredient 2 (PF2)	N/A	Ceiling Limit: 125 mg/m ³
ACGIH	2-Butoxyethanol	111-76-2	TWA: 20 ppm
	Proprietary ingredient 2 (PF2)	N/A	Ceiling Limit: 25 ppm
	Proprietary ingredient 3 (PF2)	N/A	TWA: 10 mg/m ³

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:

Safety goggles

Skin and body protection:

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

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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
2-Butoxyethanol	oral	LD50 Rat: 470 mg/kg
	dermal	LD50 Rabbit: 220 mg/kg
	inhalation	LC50 Rat: 450 ppmV (4H)
Proprietary ingredient 1 (PF2)	oral	LD50 Rat: 1000 - 2000 mg/kg
Proprietary ingredient 2 (PF2)	dermal	LD50 Rabbit: >2000 mg/kg
Proprietary ingredient 3 (PF2)	oral	LD50 Rat: >2000 mg/kg
	dermal	LD50 Rabbit: >2000 mg/kg

Skin corrosion/irritation

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
3-butoxypropan-2-ol propylene glycol monobutyl ether	Causes skin irritation.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Causes skin irritation.
Alcohols, C12-14-secondary, ethoxylated	Causes skin irritation.

Serious eye damage/irritation

Assessment:

Causes serious eye damage.

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Product data:

No data available.

Substance data:

Name	Result
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Causes serious eye damage.
2-Butoxyethanol	Causes eye irritation
Alcohols, C9-11, branched and linear, ethoxylated	Causes serious eye damage.
3-butoxypropan-2-ol propylene glycol monobutyl ether	Causes serious eye irritation.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Causes serious eye irritation.
Alcohols, C12-14-secondary, ethoxylated	Causes serious eye damage.

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
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	May cause an allergic skin reaction.

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
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.

Reproductive toxicity

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

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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: No data available.

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:

Name	Result
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC Oncorhynchus mykiss: 0.16 mg/L (28 days)
Alcohols, C12-15, ethoxylated	NOEC Fathead minnow: 0.16 mg/L (10 days)

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Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Alcohols, C9-11, branched and linear, ethoxylated	Based on the data above, alcohol ethoxylate (C9-11, < 2.5 EO) is considered rapidly biodegradable.
3-butoxypropan-2-ol propylene glycol monobutyl ether	Propylene Glycol n-Butyl Ether is readily biodegradable.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Readily biodegradable.
Alcohols, C12-15, ethoxylated	Readily biodegradable.

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
Alcohols, C9-11, branched and linear, ethoxylated	Based on the data above, alcohol ethoxylate (C9-11, < 2.5 EO) is considered to have low potential for accumulation.
3-butoxypropan-2-ol propylene glycol monobutyl ether	The predicted BCF for PnB is 3.16 (log BCF = 0.5), based on the results of the EPIWIN/BCF Program. Thus, derogation applies to bioaccumulation testing.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not expected to bioaccumulate.

Mobility in soil

Product data: No data available.

Substance data:

Name	Result
3-butoxypropan-2-ol propylene glycol monobutyl ether	Derogation applies to adsorption/desorption testing.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Moderate to slow migration potential to ground water.

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
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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

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

N/A	OFS	Listed
61789-77-3	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Listed
111-76-2	2-Butoxyethanol	Listed
N/A	Proprietary ingredient 1 (PF2)	Listed
N/A	Proprietary ingredient 2 (PF2)	Listed
N/A	Proprietary ingredient 3 (PF2)	Listed
68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	Listed
5131-66-8	3-butoxypropan-2-ol propylene glycol monobutyl ether	Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Listed
68131-40-8	Alcohols, secondary C11-15, ethoxylated	Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Listed

Significant New Use Rule (TSCA Section 5):

111-76-2	2-Butoxyethanol	Listed
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Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

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61789-77-3	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Not Listed
111-76-2	2-Butoxyethanol	Not Listed
68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	Not Listed
5131-66-8	3-butoxypropan-2-ol propylene glycol monobutyl ether	Not Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

CERCLA: Not determined.

RCRA: Not determined.

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

Massachusetts Right to Know:

61789-77-3	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Not Listed
111-76-2	2-Butoxyethanol	Listed
68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	Not Listed
5131-66-8	3-butoxypropan-2-ol propylene glycol monobutyl ether	Not Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

New Jersey Right to Know:

61789-77-3	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Not Listed
111-76-2	2-Butoxyethanol	Listed
68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	Not Listed
5131-66-8	3-butoxypropan-2-ol propylene glycol monobutyl ether	Not Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

New York Right to Know:

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61789-77-3	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Not Listed
111-76-2	2-Butoxyethanol	Listed
68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	Not Listed
5131-66-8	3-butoxypropan-2-ol propylene glycol monobutyl ether	Not Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

Pennsylvania Right to Know:

61789-77-3	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	Not Listed
111-76-2	2-Butoxyethanol	Listed
68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	Not Listed
5131-66-8	3-butoxypropan-2-ol propylene glycol monobutyl ether	Not Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

California Proposition 65: None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

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

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End of Safety Data Sheet