



Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 1 of 10

Samurai Shield

SECTION 1: Identification

Product identifier

Product name: Samurai Shield

Product code: WX-800

Recommended use of the product and restriction on use

Relevant identified uses: Clear Coat Sealer, Paint Sealant

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 sensitization, category 1

Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H317 May cause an allergic skin reaction

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P272 Contaminated work clothing must not be allowed out of the workplace

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

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

P333+P313 If skin irritation or rash 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

Samurai Shield

P363 Wash contaminated clothing before reuse

P501 It is the responsibility of the waste generator to characterize all waste material according to regulatory entities.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 111-76-2	2-Butoxyethanol	1-10
CAS number: N/A	Proprietary ingredient 3 (PF2)	1-10
CAS number: 61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	1-15
CAS number: 68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	0.1-2

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:

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor

After skin contact:

In case of contact, immediately flush skin with soap and water. If irritation occurs, consult a physician

After eye contact:

Immediately flush eyes with plenty of water. Remove contact lenses, if present and easy to do so. Protect unexposed eye.

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:

Skin: Symptoms may cause irritation, redness, pain and rash. Respiratory: Symptoms may include difficulty breathing, coughing, wheezing and tightness/closure of airway

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

Samurai Shield

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:

Shut off all possible sources of ignition and avoid friction and impact

Environmental precautions:

If contamination of sewers or waterways has occurred advise local emergency services

Methods and material for containment and cleaning up:

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal

Reference to other sections:

For disposal see section 13

SECTION 7: Handling and storage

Precautions for safe handling:

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances.

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 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

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 4 of 10

Samurai Shield

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	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
ACGIH	2-Butoxyethanol	111-76-2	TWA: 20 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 glasses

Skin and body protection:

Impervious clothing and 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.

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.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 5 of 10

Samurai Shield

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.

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

Skin corrosion/irritation

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

Product data:

No data available.

Substance data:

Name	Result
2-Butoxyethanol	Causes skin irritation

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 6 of 10

Samurai Shield

Name	Result
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Causes skin irritation.

Serious eye damage/irritation

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

Product data:

No data available.

Substance data:

Name	Result
2-Butoxyethanol	Causes eye irritation
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Causes serious eye irritation.
Alcohols, C9-11, branched and linear, ethoxylated	Causes serious eye damage.

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction.

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

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 7 of 10

Samurai Shield

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: 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
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)

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

Samurai Shield

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	Readily biodegradable.
Alcohols, C9-11, branched and linear, ethoxylated	Based on the data above, alcohol ethoxylate (C9-11, < 2.5 EO) is considered rapidly biodegradable.

Bioaccumulative potential

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	Not expected to bioaccumulate.
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.

Mobility in soil

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	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
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
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Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 9 of 10

Samurai Shield

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):

111-76-2	2-Butoxyethanol	Listed
N/A	Proprietary ingredient 3 (PF2)	Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Listed
68439-46-3	Alcohols, C9-11, branched and linear, 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:

111-76-2	2-Butoxyethanol	Not Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	Not Listed

CERCLA: Not determined.

RCRA: Not determined.

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

Massachusetts Right to Know:

111-76-2	2-Butoxyethanol	Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	Not Listed

New Jersey Right to Know:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 10 of 10

Samurai Shield

111-76-2	2-Butoxyethanol	Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	Not Listed

New York Right to Know:

111-76-2	2-Butoxyethanol	Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	Not Listed

Pennsylvania Right to Know:

111-76-2	2-Butoxyethanol	Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
68439-46-3	Alcohols, C9-11, branched and linear, 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