



## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

**Initial Preparation Date:** 03.09.2023

Page 1 of 14

**Revision date:** 03.09.2023

### Bug Release

#### SECTION 1: Identification

##### Product Identifier

**Product Name:** Bug Release

**Product code:** ST-200

##### Recommended Use of the Product and Restriction on Use

**Relevant Identified Uses:** General Purpose Cleaner, Liquid Foaming Detergent

**Uses Advised Against:** NA

**Reasons Why Uses Advised Against:** Not determined or not applicable.

##### Manufacturer or Supplier Details

###### Manufacturer:

###### United States

JBS Industries

2726 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

Eye irritation, category 2A

Skin sensitization, category 1

Carcinogenicity, category 2

Specific target organ toxicity - repeated exposure, category 2

##### Label elements

###### Hazard Pictograms:



**Signal Word:** Warning

##### Hazard statements:

H315 Causes skin irritation

H319 Causes serious eye irritation

H317 May cause an allergic skin reaction

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03.09.2023

Page 2 of 14

Revision date: 03.09.2023

## Bug Release

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

### Precautionary Statements:

P264 Wash contaminated area thoroughly after handling.

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

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

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

P202 Do not handle until all safety precautions have been read and understood

P302+P352 IF ON SKIN: Wash with plenty of water for 15 minutes.

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

P337+P313 If eye irritation persists: Get medical advice/attention

P333+P313 If skin irritation or rash occurs: Get medical advice/attention

P405 Store locked up

P501 It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

**Hazards Not Otherwise Classified:** None

## SECTION 3: Composition/Information on Ingredients

Identification	Name	Weight %
CAS Number: 68439-46-3	Alcohols, C9-11, branched and linear, ethoxylated	0.95-80
CAS Number: 68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	1-70
CAS Number: 6834-92-0	Disodium metasilicate	1-30
CAS Number: 8028-48-6	Orange, sweet, ext.	1-10
CAS Number: 1300-72-7	Sodium Xylenesulfonate	1-5
CAS Number: 61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	1-6
CAS Number: 123-91-1	1,4-dioxane	<0.08

**Additional Information:** None

## SECTION 4: First Aid Measures

### Description of First Aid Measures

#### General Notes:

Not determined or not applicable.

#### After Inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03.09.2023

Page 3 of 14

Revision date: 03.09.2023

## Bug Release

### After Skin Contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

### After Eye Contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

### After Swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

## Most Important Symptoms and Effects, Both Acute and Delayed

### Acute Symptoms and Effects:

Skin contact may result in redness, pain, burning and inflammation.

Eye contact may result in irritation, redness, pain, inflammation, itching, burning and tearing.

### Delayed Symptoms and Effects:

Effects are dependent on exposure (dose, concentration, contact time).

May cause damage to organs through prolonged or repeated exposure. Effects are dependent on exposure (dose, concentration, contact time).

Suspected of causing cancer. Effects are dependent on exposure (dose, concentration, contact time).

## Immediate Medical Attention and Special Treatment

### Specific Treatment:

Not determined or not applicable.

### Notes for the Doctor:

Not determined or not applicable.

## SECTION 5: Firefighting Measures

### Extinguishing Media

#### Suitable Extinguishing Media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

#### Unsuitable Extinguishing Media:

Do not use water jet.

### Specific Hazards During Fire-Fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

### Special Protective Equipment for Firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

### Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts.

Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers.

Avoid unnecessary run-off of extinguishing media which may cause pollution.

## SECTION 6: Accidental Release Measures

### Personal Precautions, Protective Equipment, and Emergency Procedures:

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03.09.2023

Page 4 of 14

Revision date: 03.09.2023

## Bug Release

Respiratory protection may be necessary for spills greater than 5 gallons. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

### Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

### Methods and Material for Containment and Cleaning Up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

### Reference to Other Sections:

For personal protective equipment see Section 8. For disposal see Section 13.

## SECTION 7: Handling and Storage

### Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

### Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

## 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	1,4-dioxane	123-91-1	8-Hour TWA-PEL: 360 mg/m <sup>3</sup> (100 ppm [Table Z-1])
	1,4-dioxane	123-91-1	TWA: 90 mg/m <sup>3</sup> (25 ppm [Table Z-1-A])
ACGIH	1,4-dioxane	123-91-1	TLV-TWA: 20 ppm (8 hr)
NIOSH	1,4-dioxane	123-91-1	Ceiling Limit: 3.6 mg/m <sup>3</sup> (1 ppm [30-min])
	1,4-dioxane	123-91-1	IDLH: 500 ppm
United States(California)	1,4-dioxane	123-91-1	8-Hour TWA-PEL: 1 mg/m <sup>3</sup> (0.28 ppm)
	1,4-dioxane	123-91-1	REL: 3000 ug/m <sup>3</sup> ([8 hr]; Acute inhalation)
	1,4-dioxane	123-91-1	REL: 3000 ug/m <sup>3</sup> ([8 hr]; Chronic inhalation)

### Biological Limit Values:

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

### Information on Monitoring Procedures:

Not determined or not applicable.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03.09.2023

Page 5 of 14

Revision date: 03.09.2023

## Bug Release

### Appropriate Engineering Controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

### Personal Protection Equipment

#### Eye and Face Protection:

Not determined or not applicable.

#### Skin and Body Protection:

Not determined or not applicable.

#### Respiratory Protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

### General Hygienic Measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

## 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	10
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.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03.09.2023

Page 6 of 14

Revision date: 03.09.2023

## Bug Release

<b>Explosive properties</b>	Not determined or not available.
<b>Oxidizing properties</b>	Not determined or not available.

## SECTION 10: Stability and Reactivity

### Reactivity:

Not reactive under recommended handling and storage conditions.

### Chemical Stability:

Stable under recommended handling and storage conditions.

### Possibility of Hazardous Reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

### Conditions to Avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

### Incompatible Materials:

None known.

### 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
D-Glucopyranose, oligomers, decyl octyl glycosides	oral	LD50 Rat: > 2000 mg/kg
	dermal	LD50 Rabbit: > 2000 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	oral	LD50 Rat: 4900 mg/kg
	dermal	LD50 Rat: > 2000 mg/kg
Orange, sweet, ext.	oral	LD50 Rat: >5000 mg/kg
	dermal	LD50 Rabbit: >5000 mg/kg
Sodium Xylenesulfonate	dermal	LD50 Rabbit: >= 2000 mg/kg
	oral	LD50 Rat: >= 3346 mg/kg
Disodium metasilicate	dermal	LD50 Rat: > 5000 mg/kg
	oral	LD50 Rat: 1152 mg/kg
	inhalation	LC50 Rat: > 2.06 mg/L (4 hr [vapor])
1,4-dioxane	oral	LD50 Rat: 5150 mg/kg
	dermal	LD50 Rabbit: 7600 mg/kg
	inhalation	LC50 Rat: 9158 ppmV (4 hr [vapor])
Alcohols, C9-11, branched and linear, ethoxylated	oral	LD50 Rat: 1378 mg/kg
	dermal	LD50 Rabbit: > 2000 mg/kg
	inhalation	LC50 Rat: >100 mg/m <sup>3</sup> (6 hr [Vapor; read-across])

### Skin Corrosion/Irritation

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03.09.2023

Page 7 of 14

Revision date: 03.09.2023

## Bug Release

### Assessment:

Causes skin irritation.

### Product Data:

No data available.

### Substance Data:

Name	Result
Disodium metasilicate	Causes severe skin burns.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Causes skin irritation.
Orange, sweet, ext.	Causes skin irritation.

## Serious Eye Damage/Irritation

### Assessment:

Causes serious eye irritation.

### Product Data:

No data available.

### Substance Data:

Name	Result
D-Glucopyranose, oligomers, decyl octyl glycosides	Causes serious eye damage.
Disodium metasilicate	Causes serious eye damage.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Causes serious eye irritation.
Sodium Xylenesulfonate	Causes serious eye irritation.
1,4-dioxane	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
Orange, sweet, ext.	May cause an allergic skin reaction.

## Carcinogenicity

### Assessment:

Suspected of causing cancer.

**Product Data:** No data available.

### Substance Data:

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03.09.2023

Page 8 of 14

Revision date: 03.09.2023

## Bug Release

Name	Species	Result
1,4-dioxane		May cause cancer. This substance is characterized as "likely to be carcinogenic to humans." This characterization is based on the following findings: (1) inadequate evidence of carcinogenicity in humans, and (2) sufficient evidence in animals (i.e., hepatic tumors in multiple species [three strains of rats, two strains of mouse, and in guinea pigs] mesotheliomas of the peritoneum, mammary, and nasal tumors have also been observed in rats following 2 years of oral exposure to this substance). U.S. Environmental Protection Agency's Integrated Risk Information System (IRIS).

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

Name	Classification
Orange, sweet, ext.	Not Applicable
D-Glucopyranose, oligomers, decyl octyl glycosides	Not Applicable
Sodium Xylenesulfonate	Not Applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Applicable
Disodium metasilicate	Not Applicable
1,4-dioxane	Group 2B
Alcohols, C9-11, branched and linear, ethoxylated	Not Applicable

### National Toxicology Program (NTP):

Name	Classification
Orange, sweet, ext.	Not Applicable
D-Glucopyranose, oligomers, decyl octyl glycosides	Not Applicable
Sodium Xylenesulfonate	Not Applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Applicable
Disodium metasilicate	Not Applicable
1,4-dioxane	Reasonably anticipated to be human carcinogens
Alcohols, C9-11, branched and linear, ethoxylated	Not Applicable

**OSHA Carcinogens:** Not applicable

### 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: 03.09.2023

Page 9 of 14

Revision date: 03.09.2023

## Bug Release

**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 (Single Exposure)

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

**Product Data:**

No data available.

**Substance Data:**

Name	Result
Disodium metasilicate	May cause respiratory irritation.
1,4-dioxane	May cause respiratory irritation.

### Specific Target Organ Toxicity (Repeated Exposure)

**Assessment:**

May cause damage to organs through prolonged or repeated exposure.

**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:**

Name	Result
Orange, sweet, ext.	Maybe fatal if swallowed and enters airways.

### 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
Orange, sweet, ext.	Aquatic Plants EC50 <i>Desmodemus subspicatus</i> : 150 mg/L (72 hr [growth rate])
	Aquatic Invertebrates EC50 <i>Daphnia magna</i> : 8.5 mg/L (48 hr [mobility])
D-Glucopyranose, oligomers, decyl octyl glycosides	Fish LC50 <i>Danio rerio</i> : 100.81 mg/L (96 hr)
	Aquatic Invertebrates EC50 <i>Acartia tonsa</i> : 31.62 mg/L (48 hr)
	Aquatic Plants EC50 <i>Desmodemus subspicatus</i> : 27.22 mg/L (72 hr)

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03.09.2023

Page 10 of 14

Revision date: 03.09.2023

### Bug Release

Name	Result
Sodium Xylenesulfonate	Aquatic Plants EC50 Selenastrum capricornutum: $\geq 758$ mg/L (96 hr [growth rate; read-across])
	Fish LC50 Oncorhynchus mykiss: $\geq 1580$ mg/L (96 hr [read-across])
	Aquatic Invertebrates EC50 Daphnia magna: $> 1020$ mg/L (48 hr [mobility; read-across])
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Fish LC50 Danio rerio: 2 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 6.4 mg/L (48 hr [mobility])
Disodium metasilicate	Aquatic Plants EC50 Freshwater algae: 207 mg/L (72 hr [biomass; read-across])
	Fish LC50 Danio rerio: 210 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 1700 mg/L (48 hr [read-across])
1,4-dioxane	Fish LC50 Pimephales promelas: 9850 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: $> 1000$ mg/L (48 hr)
	Aquatic Plants EC50 Pseudokirchneriella subcapitata: $> 1000$ mg/L (72 hr)
Alcohols, C9-11, branched and linear, ethoxylated	Fish LC50 Oncorhynchus mykiss: 5 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 2.5 mg/L (48 hr)
	Aquatic Plants ErC50 Selenastrum capricornutum: 1.4 mg/L (96 hr)

### Chronic (Long-Term) Toxicity

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

**Product Data:** No data available.

#### Substance Data:

Name	Result
D-Glucopyranose, oligomers, decyl octyl glycosides	Fish NOEC Danio rerio: 1 mg/L (28 d [read-across])
	Aquatic Invertebrates NOEC Daphnia magna: 1 mg/L (21 d [read-across])
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Aquatic Invertebrates NOEC Daphnia magna: 0.9 mg/L (21 d [reproduction])
1,4-dioxane	Aquatic Plants NOEC Pseudokirchneriella subcapitata: 580 mg/L (72 hr)
	Fish NOEC Pimephales promelas: 145 mg/L (32 d)
	Aquatic Invertebrates NOEC Daphnia magna: 1000 mg/L (21 d)
Alcohols, C9-11, branched and linear, ethoxylated	Fish NOEC Lepomis macrochirus: $> 0.33$ mg/L (30 d)
	Aquatic Invertebrates NOEC Daphnia magna: 0.77 mg/L (21 d)

### Persistence and Degradability

**Product Data:** No data available.

#### Substance Data:

Name	Result
D-Glucopyranose, oligomers, decyl octyl glycosides	Readily biodegradable in water (100% degradation [DOC removal] after 28 days).

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03.09.2023

Page 11 of 14

Revision date: 03.09.2023

## Bug Release

Name	Result
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Readily biodegradable in water (50% degradation after 1 day; >90% degradation after 5 days).
Orange, sweet, ext.	The substance is readily biodegradable. 75% degradation, measured by O <sub>2</sub> consumption, after 28 days.
Sodium Xylenesulfonate	The substance is readily biodegradable. 83 - 85% degradation, measured by CO <sub>2</sub> evolution, after 28 days.
Disodium metasilicate	Biodegradation studies are not applicable to inorganic substances.
1,4-dioxane	Not readily biodegradable (< 10 % degradation after 29 days).
Alcohols, C9-11, branched and linear, ethoxylated	The substance is readily biodegradable. 70 - 100% degradation in water, measured by CO <sub>2</sub> evolution, after 28 days.

## 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	Substance is not expected to bioaccumulate significantly (estimated BCF: 70.79 L/kg).
Orange, sweet, ext.	The substance has a low potential for bioaccumulation. BCF [QSAR]: 32 L/kg - 395 L/kg
Disodium metasilicate	Silicon is an essential trace element participating in the normal metabolism of higher animals.
1,4-dioxane	Does not accumulate in aquatic organisms (mean BCF: 0.45).
Alcohols, C9-11, branched and linear, ethoxylated	The substance has low potential for bioaccumulation. Bioaccumulation in organisms is negligible, due to biotransformation and excretion of alcohol ethoxylates. BCF: 237 L/kg

## 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	Substance is mobile to moderately mobile (experimental log K <sub>oc</sub> : 1.812 dimensionless; calculated K <sub>oc</sub> : 648 L/kg); therefore, moderate adsorption to soil can be expected.
D-Glucopyranose, oligomers, decyl octyl glycosides	Substance is expected to be mobile (log K <sub>oc</sub> : 1.7); therefore, adsorption to soil is not expected.
1,4-dioxane	Significant adsorption to solid soil phase is not expected (calculated log K <sub>oc</sub> : 0.51 at 25 °C).
Alcohols, C9-11, branched and linear, ethoxylated	Moderately mobile (log K <sub>oc</sub> : 1.575 - 2.365).

## Results of PBT and vPvB assessment

**Product Data:**

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

**Substance Data:**

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03.09.2023

Page 12 of 14

Revision date: 03.09.2023

## Bug Release

### PBT assessment:

D-Glucopyranose, oligomers, decyl octyl glycosides	Substance is not PBT.
Disodium metasilicate	PBT assessment does not apply to inorganic substances.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	The substance is not PBT.
Orange, sweet, ext.	The substance is not PBT.
Sodium Xylenesulfonate	The substance is not PBT.
1,4-dioxane	This substance is not PBT.
Alcohols, C9-11, branched and linear, ethoxylated	The substance is not PBT.

### vPvB assessment:

D-Glucopyranose, oligomers, decyl octyl glycosides	Substance is not vPvB.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	The substance is not vPvB.
Orange, sweet, ext.	The substance is not vPvB.
Sodium Xylenesulfonate	The substance is not vPvB.
Disodium metasilicate	vPvB assessment does not apply to this substance as it is inorganic.
1,4-dioxane	This substance is not vPvB.
Alcohols, C9-11, branched and linear, ethoxylated	The substance is not vPvB.

**Other Adverse Effects:** No data available.

## SECTION 13: Disposal Considerations

### Disposal Methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

### Contaminated packages:

Not determined or not applicable.

## SECTION 14: Transport Information

### United States Transportation of Dangerous Goods (49 CFR DOT)

<b>UN Number</b>	Not regulated
<b>UN Proper Shipping Name</b>	Not regulated
<b>UN Transport Hazard Class(es)</b>	None
<b>Packing Group</b>	None
<b>Environmental Hazards</b>	None
<b>Special Precautions for User</b>	None

### International Maritime Dangerous Goods (IMDG)

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03.09.2023

Page 13 of 14

Revision date: 03.09.2023

## Bug Release

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):** All ingredients are listed-active or exempt.

**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export Notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 Extremely Hazardous Substances:** None of the ingredients are listed.

**SARA Section 313 Toxic Chemicals:**

123-91-1	1,4-dioxane	Listed
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**CERCLA:**

123-91-1	1,4-dioxane	Listed	100 lbs
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**RCRA:**

123-91-1	1,4-dioxane	Listed	U108
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**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

**Massachusetts Right to Know:**

123-91-1	1,4-dioxane	Listed
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**New Jersey Right to Know:**

123-91-1	1,4-dioxane	Listed
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**New York Right to Know:**

123-91-1	1,4-dioxane	Listed
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**Pennsylvania Right to Know:**

123-91-1	1,4-dioxane	Listed
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**California Proposition 65:**

**⚠️WARNING:** This product can expose you to chemicals including Formaldehyde, and 1,4-dioxane which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**⚠️WARNING:** This product can expose you to chemicals including Ethylene oxide, Dichloroacetic acid, and Dichloroacetic acid; which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

**Initial Preparation Date:** 03.09.2023

Page 14 of 14

**Revision date:** 03.09.2023

**Bug Release**

**Additional information:** Not determined.

## 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

**Initial Preparation Date:** 03.09.2023

**End of Safety Data Sheet**