



## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 1 of 12

**Predator Citrus**

### SECTION 1: Identification

#### Product identifier

**Product name:** Predator Citrus

**Product code:** TR-130

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

**Relevant identified uses:** Tire and Wheel Cleaner

**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

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: 05.23.2019

Page 2 of 12

## Predator Citrus

H351 Suspected of causing cancer.

H373 May cause damage to organs.

### Precautionary statements:

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.

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

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

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

P363 Wash contaminated clothing before reuse

P314 Get medical advice/attention if you feel unwell

P405 Store locked up

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: 7758-29-4	Pentasodium triphosphate	<20
CAS number: 6834-92-0	Disodium metasilicate	<20
CAS number: 61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	<20
CAS number: 68131-40-8	Alcohols, secondary C11-15, ethoxylated	<20
CAS number: 84133-50-6	Alcohols, C12-14-secondary, ethoxylated	<20
CAS number: 68131-39-5	Alcohols, C12-15, ethoxylated	<20
CAS number: 8028-48-6	Orange, sweet, ext.	<20
CAS number: 64-02-8	Tetrasodium ethylenediamine tetraacetate	<10
CAS number: 1300-72-7	Sodium xylenesulfonate	<10

**Additional Information:** None

## SECTION 4: First aid measures

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 3 of 12

## Predator Citrus

### Description of first aid measures

#### General notes:

Show this Safety Data Sheet to the doctor in attendance

#### After inhalation:

If inhaled, move to fresh air. Get medical attention if symptoms persist

#### 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:

Rinse cautiously with water for several minutes. Remove contact lenses, if present to do so. Protect unexposed eye. Continue rinsing. Get medical attention if irritation develops or persists

#### 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)

Eye contact may cause serious eye irritation. Symptoms include redness, inflammation, burning, and tearing

Symptoms of overexposure may include disorientation, dizziness and confusion. May progress to unconsciousness, paralysis and convulsions. 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

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 4 of 12

## Predator Citrus

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

Avoid contact with eyes, skin and clothing. Eliminate all sources of ignition  
Ensure adequate ventilation  
Shut off all possible sources of ignition and avoid friction and impact  
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS

### Environmental precautions:

If contamination of sewers or waterways has occurred advise local emergency services  
Avoid discharge into drains, water courses or onto the ground. Prevent further leakage if safe to do so.  
Inform authorities if spill cannot be contained  
Keep material out of lakes, streams, ponds, and sewer drains

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

Carefully sweep material into a designated PLASTIC waste container. Collect in plastic containers only  
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 further information refer to section 7 and section 13

## 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.  
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:

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

### 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 or safety glasses with side shields

#### Skin and body protection:

Impervious clothing, chemical resistant gloves

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory protection

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 5 of 12

## Predator Citrus

### 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	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.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

### Other information

## SECTION 10: Stability and reactivity

### Reactivity:

Stable and non-reactive under normal conditions of use, storage and transport.

### 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.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 6 of 12

## Predator Citrus

### 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
Tetrasodium ethylenediamine tetraacetate	oral	LD50 mouse: 1210 mg/kg

### Skin corrosion/irritation

#### Assessment:

Causes skin irritation.

#### Product data:

No data available.

#### Substance data:

Name	Result
Pentasodium triphosphate	Causes skin irritation.
Disodium metasilicate	Causes severe skin burns and eye damage.
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.
Orange, sweet, ext.	Causes skin irritation.
Sodium xylenesulfonate	Causes skin irritation.

### Serious eye damage/irritation

#### Assessment:

Causes serious eye irritation.

#### Product data:

No data available.

#### Substance data:

Name	Result
Pentasodium triphosphate	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.
Tetrasodium ethylenediamine tetraacetate	Causes serious eye damage.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 7 of 12

## Predator Citrus

Name	Result
Sodium xylenesulfonate	Causes serious eye irritation.

### Respiratory or skin sensitization

**Assessment:**

May cause an allergic skin reaction.

**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	May cause an allergic skin reaction.
Orange, sweet, ext.	May cause an allergic skin reaction.

### Carcinogenicity

**Assessment:**

Suspected of causing cancer.

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**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.

**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
Pentasodium triphosphate	May cause respiratory irritation.
Disodium metasilicate	May cause respiratory irritation.
Sodium xylenesulfonate	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.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 8 of 12

## Predator Citrus

**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:** No data available.

### 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)

### Persistence and degradability

**Product data:** No data available.

**Substance data:**

Name	Result
Disodium metasilicate	No biodegradation since inorganic substance.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Readily biodegradable.
Alcohols, C12-15, ethoxylated	Readily biodegradable.
Orange, sweet, ext.	Readily biodegradable.
Tetrasodium ethylenediamine tetraacetate	Biodegradable, but not ready biodegradable.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:**



# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 9 of 12

## Predator Citrus

Name	Result
Disodium metasilicate	Bioaccumulation is expected.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not expected to bioaccumulate.
Tetrasodium ethylenediamine tetraacetate	The projected equilibrium BCF values were similar to those observed in the plateau test and, again, serve to emphasize the extremely low bioconcentration potential of EDTA.

### 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.
Tetrasodium ethylenediamine tetraacetate	The extent of absorption of EDTA on container walls and humic acid, silica, kaolin, river sediment and humus solids was measured and was found to be negligible.

**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

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 10 of 12

## Predator Citrus

### 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):

7758-29-4	Pentasodium triphosphate	Listed
6834-92-0	Disodium metasilicate	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
8028-48-6	Orange, sweet, ext.	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Listed
1300-72-7	Sodium xylenesulfonate	Listed

**Significant New Use Rule (TSCA Section 5):** Not determined.

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

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

#### SARA Section 313 toxic chemicals:

7758-29-4	Pentasodium triphosphate	Not Listed
6834-92-0	Disodium metasilicate	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
8028-48-6	Orange, sweet, ext.	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Not Listed
1300-72-7	Sodium xylenesulfonate	Not Listed

**CERCLA:** Not determined.

**RCRA:** Not determined.

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

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 11 of 12

## Predator Citrus

### Massachusetts Right to Know:

7758-29-4	Pentasodium triphosphate	Listed
6834-92-0	Disodium metasilicate	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
8028-48-6	Orange, sweet, ext.	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Not Listed
1300-72-7	Sodium xylenesulfonate	Not Listed

### New Jersey Right to Know:

7758-29-4	Pentasodium triphosphate	Not Listed
6834-92-0	Disodium metasilicate	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
8028-48-6	Orange, sweet, ext.	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Not Listed
1300-72-7	Sodium xylenesulfonate	Not Listed

### New York Right to Know:

7758-29-4	Pentasodium triphosphate	Listed
6834-92-0	Disodium metasilicate	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
8028-48-6	Orange, sweet, ext.	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Not Listed

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

Page 12 of 12

## Predator Citrus

1300-72-7	Sodium xylenesulfonate	Not Listed
-----------	------------------------	------------

### Pennsylvania Right to Know:

7758-29-4	Pentasodium triphosphate	Listed
6834-92-0	Disodium metasilicate	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
8028-48-6	Orange, sweet, ext.	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Not Listed
1300-72-7	Sodium xylenesulfonate	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

**Initial preparation date:** 05.23.2019

**End of Safety Data Sheet**