#### **Section 1: Identification**

#### 1.1 Product identifier

**Product Name** 

\* Clean and Protect Water Softener Pellets; Waves Clean and Protect **Water Softener Bars** 

**Synonyms** 

· Water Conditioner Salt

SDS

• 1500

Number/Grade

## 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended

• Recharging water conditioner ion exchange resin regeneration

use

# 1.3 Details of the supplier of the safety data sheet · Morton Salt, Inc.

Manufacturer

444 W. Lake St. Chicago, IL 60606 **United States** 

saltinfo@mortonsalt.com

Telephone • 312-807-2000

(General)

# 1.4 Emergency telephone number

Manufacturer • 312-807-2000

#### **Section 2: Hazard Identification**

#### UN GHS Revision 3

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Third Revised Edition

#### 2.1 Classification of the substance or mixture

**UN GHS** 

Not classified

#### 2.2 Label elements

**UN GHS** 

Hazard statements • No label element(s) required

**Precautionary** statements

#### 2.3 Other hazards

**UN GHS** 

 According to the Globally Harmonized System for Classification and Labeling (GHS) this product is not considered hazardous

## United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

#### 2.1 Classification of the substance or mixture

OSHA HCS 2012 • Not classified

2.2 Label elements

OSHA HCS 2012

Hazard • No label element(s) required

statements

#### 2.3 Other hazards

OSHA HCS 2012 • This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

#### Canada

According to: WHMIS 2015

#### 2.1 Classification of the substance or mixture

**WHMIS 2015** 

Not classified

#### 2.2 Label elements

**WHMIS 2015** 

Hazard statements • No label element(s) required

**Precautionary** statements

#### 2.3 Other hazards

**WHMIS 2015** 

 In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

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## Section 3 - Composition/Information on Ingredients

## 3.1 Substances

Material does not meet the criteria of a substance.

#### 3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	H D50/I C50	Classifications According to Regulation/Directive	Comments
Sodium chloride	<b>CAS</b> :7647-14-5	99.7% TO 99.9%	Ingestion/Oral-Rat LD50 • 3000 mg/kg	UN GHS Revision 3: Not Classified OSHA HCS 2012: Not Classified WHMIS 2015: Not Classified	NDA

Citrates	Proprietary	0.07% TO 0.12%	NDA	UN GHS Revision 3: Not Classified OSHA HCS 2012: Not Classified WHMIS 2015: Not Classified	NDA
Anionic Surfactant	Proprietary	0.0036% TO 0.00945%	NDA	OSHA HCS 2012: Exposure Limit	NDA
Anionic Surfactant	Proprietary	0.00084% TO 0.00273%	NDA	OSHA HCS 2012: Exposure Limit	NDA
Anionic Surfactant	Proprietary	<= 0.000315%	NDA	OSHA HCS 2012: Exposure Limit	NDA

#### **Section 4: First-Aid Measures**

# 4.1 Description of first aid measures

**Inhalation** • Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is

not breathing.

• IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical

advice/attention.

• In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.

If eye irritation persists: Get medical advice/attention.

Ingestion • If large quantities are swallowed, call a physician immediately.

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

• Refer to Section 11 - Toxicological Information.

## 4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician All treatments should be based on observed signs and symptoms of distress in the patient.
 Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5: Fire-Fighting Measures

#### 5.1 Extinguishing media

Suitable Extinguishing Media

 Material is non-combustible. In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media • No data

· No data available.

#### 5.2 Special hazards arising from the substance or mixture

**Unusual Fire and Explosion** 

No unusual fire or explosion hazards known.

**Hazards** 

Hazardous Combustion Products • No data available

#### 5.3 Advice for firefighters

• Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

#### **Section 6 - Accidental Release Measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

**Personal Precautions** 

• Wear suitable protective clothing, gloves, and eye/face protection.

**Emergency Procedures** 

 Stop leak if you can do it without risk. Keep unauthorized personnel away. Use normal clean up procedures.

## 6.2 Environmental precautions

 None expected to be necessary if material is used under ordinary conditions and as recommended.

## 6.3 Methods and material for containment and cleaning up

Containment/Clean-up

• Carefully shovel or sweep up spilled material and place in suitable container.

Measures

#### 6.4 Reference to other sections

• Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 -Disposal Considerations.

## Section 7 - Handling and Storage

#### 7.1 Precautions for safe handling

Handling

• Use good safety and industrial hygiene practices. Wash thoroughly after handling. Keep out of reach of children.

## 7.2 Conditions for safe storage, including any incompatibilities

Storage

Avoid storage with strong acids and strong oxidizing agents.

**Incompatible Materials or Ignition Sources** 

Strong oxidizing agents, strong acids.

7.3 Specific end use(s)

Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

Exposure Limits/Guidelines • No applicable exposure limits available for product or components.

#### 8.2 Exposure controls

Engineering Measures/Controls • Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

**Personal Protective Equipment** 

Respiratory

• In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face Skin/Body Wear safety glasses.

General Industrial Hygiene

· Wear appropriate gloves.

Considerations

• Do not get in eyes or on skin or clothing. Handle in accordance with good

industrial hygiene and safety practice.

**Environmental Exposure** 

**Controls** 

• Follow best practice for site management and disposal of waste.

## Section 9 - Physical and Chemical Properties

## 9.1 Information on Physical and Chemical Properties

#### **Material Description**

Physical Form	Solid	Appearance/Description	White compressed pellet or bars
Color	White	Odor	No data available
Odor Threshold	No data available		
General Properties			
Boiling Point	2575 °F(1412.7778 °C)	Melting Point/Freezing Point	1473.8 °F(801 °C)
Decomposition Temperature	No data available	рН	3.5 to 4.5
Specific Gravity/Relative Density	= 2.165 Water=1	Water Solubility	Soluble 100 %
Viscosity	No data available		
Volatility			
Vapor Pressure	1 mmHg (torr) @ 1589 °F(865 °C)	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability	-		•
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

# **Section 10: Stability and Reactivity**

## 10.1 Reactivity

• No dangerous reaction known under conditions of normal use.

## 10.2 Chemical stability

Stable

# 10.3 Possibility of hazardous reactions

• Hazardous polymerization will not occur.

#### 10.4 Conditions to avoid

• Incompatible materials.

# 10.5 Incompatible materials

• Will react with strong acids (to generate hydrogen chloride) and strong oxidizing agents (to generate chlorine gas).

# 10.6 Hazardous decomposition products

No data available

# **Section 11 - Toxicological Information**

# 11.1 Information on toxicological effects

	Components				
Sodium chloride (99.7% TO 99.9%)	7047-14- 5	Acute Toxicity: Ingestion/Oral-Rat LD50 • 3000 mg/kg; Irritation: Eye-Rabbit • 10 mg • Moderate irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation			

GHS Properties	Classification
	UN GHS 3•No data available
Acute toxicity	OSHA HCS 2012•No data available
	WHMIS 2015•No data available

Skin corrosion/Irritation	UN GHS 3•No data available OSHA HCS 2012•No data available WHMIS 2015•No data available
Serious eye damage/Irritation	UN GHS 3•No data available OSHA HCS 2012•No data available WHMIS 2015•No data available
Skin sensitization	UN GHS 3•No data available OSHA HCS 2012•No data available WHMIS 2015•No data available
Respiratory sensitization	UN GHS 3•No data available OSHA HCS 2012•No data available WHMIS 2015•No data available
Aspiration Hazard	UN GHS 3•No data available OSHA HCS 2012•No data available WHMIS 2015•No data available
Carcinogenicity	UN GHS 3•No data available OSHA HCS 2012•No data available WHMIS 2015•No data available
Germ Cell Mutagenicity	UN GHS 3•No data available OSHA HCS 2012•No data available WHMIS 2015•No data available
Toxicity for Reproduction	UN GHS 3•No data available OSHA HCS 2012•No data available WHMIS 2015•No data available
STOT-SE	UN GHS 3•No data available OSHA HCS 2012•No data available WHMIS 2015•No data available
STOT-RE	UN GHS 3•No data available OSHA HCS 2012•No data available WHMIS 2015•No data available

#### **Potential Health Effects**

#### Inhalation

Acute (Immediate)

• Under normal conditions of use, no health effects are expected. Inhalation of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness and sore throat.

Chronic (Delayed)

No data available.

Acute

Skin

(Immediate)

• Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

• No data available.

Eye

Acute (Immediate

• Based upon practical use and experience using this product eye irritation is not expected to occur.

(Immediate) Chronic

No data available.

(Delayed)

Ingestion

Acute (Immediate)

• Ingestion may cause the following symptoms - diarrhea.

Chronic (Delayed)

· No data available.

## **Section 12 - Ecological Information**

## 12.1 Toxicity

Material data lacking.

## 12.2 Persistence and degradability

· Material data lacking.

## 12.3 Bioaccumulative potential

· Material data lacking.

## 12.4 Mobility in Soil

Material data lacking.

#### 12.5 Results of PBT and vPvB assessment

No PBT and vPvB assessment has been conducted.

#### 12.6 Other adverse effects

• No studies have been found.

## **Section 13 - Disposal Considerations**

#### 13.1 Waste treatment methods

Product waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

# **Section 14 - Transport Information**

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
TDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA

## 14.6 Special precautions for user

None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • No data available

## **Section 15 - Regulatory Information**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

## **SARA Hazard Classifications**

None

State Right To Know						
Component	CAS	MA	NJ	PA		
Anionic Surfactant	Proprietary	No	No	No		
Anionic Surfactant	Proprietary	No	No	No		
Citrates	Proprietary	No	No	No		
Sodium chloride	7647-14-5	No	No	No		
Anionic Surfactant	Proprietary	Yes	No	Yes		

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Anionic Surfactant	Proprietary	Yes	No	Yes	No	Yes
Anionic Surfactant	Proprietary	Yes	No	Yes	No	Yes
Citrates	Proprietary	Yes	No	Yes	No	Yes
Sodium chloride	7647-14-5	Yes	No	Yes	No	Yes
Anionic Surfactant	Proprietary	Yes	No	Yes	No	Yes

#### Canada

#### Labor

Canada - WHMIS 1988 - Classifications of Substances

	Callada - Willimio 1900 - Classifications of Substances		
	•Anionic Surfactant	Proprietary	Uncontrolled product according to WHMIS classification criteria
	•Sodium chloride	7647-14-5	Uncontrolled product according to WHMIS classification criteria
	•Citrates	Proprietary	Not Listed
	•Anionic Surfactant	Proprietary	Not Listed
	•Anionic Surfactant	Proprietary	Not Listed
	Canada - WHMIS 1988 - Ingredient Disclosure List		
	•Anionic Surfactant	Proprietary	Not Listed
	•Sodium chloride	7647-14-5	Not Listed
	•Citrates	Proprietary	Not Listed
	•Anionic Surfactant	Proprietary	Not Listed
	•Anionic Surfactant	Proprietary	Not Listed
Er	vironment		
	Canada - CEPA - Priority Substances List		
	•Anionic Surfactant	Proprietary	Not Listed
	•Sodium chloride	7647-14-5	Not Listed
	•Citrates	Proprietary	Not Listed
	•Anionic Surfactant	Proprietary	Not Listed
	•Anionic Surfactant	Proprietary	Not Listed

## **Europe**

#### Other

,			
Anionic Surfactant	Proprietary	Not Listed	
•Sodium chloride	7647-14-5	Not Listed	
•Citrates	Proprietary	Not Listed	
Anionic Surfactant	Proprietary	Not Listed	
Anionic Surfactant	Proprietary	Not Listed	
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits			
Anionic Surfactant	Proprietary	Not Listed	
•Sodium chloride	7647-14-5	Not Listed	
•Citrates	Proprietary	Not Listed	
Anionic Surfactant	Proprietary	Not Listed	

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Anionic Surfactant	Proprietary	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling		
Anionic Surfactant	Proprietary	Not Listed
Sodium chloride	7647-14-5	Not Listed
•Citrates	Proprietary	Not Listed
	, ,	
•Anionic Surfactant	Proprietary	Not Listed
•Anionic Surfactant	Proprietary	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations		
•Anionic Surfactant	Proprietary	Not Listed
•Sodium chloride	7647-14-5	Not Listed
•Citrates	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases		
•Anionic Surfactant	Proprietary	Not Listed
•Sodium chloride	7647-14-5	Not Listed
•Citrates	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
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United States		
Labor		
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals		
•Anionic Surfactant	Proprietary	Not Listed
	, ,	
•Sodium chloride	7647-14-5	Not Listed
•Citrates	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
•Anionic Surfactant	Proprietary	Not Listed
U.S OSHA - Specifically Regulated Chemicals	riopriotary	rtot Liotou
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Anionic Surfactant	Proprietary	Not Listed
•Sodium chloride	7647-14-5	Not Listed
•Citrates	Proprietary	Not Listed
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Environment  U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants  •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Anionic Surfactant  U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Anionic Surfactant •Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Anionic Surfactant •Anionic Surfactant	Proprietary 7647-14-5 Proprietary Proprietary Proprietary 7647-14-5 Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary	Not Listed
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Environment  U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants  •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Anionic Surfactant  U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities •Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Anionic Surfactant  U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs •Anionic Surfactant  U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs •Anionic Surfactant	Proprietary 7647-14-5 Proprietary Proprietary Proprietary 7647-14-5 Proprietary	Not Listed
Environment  U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants  •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Anionic Surfactant  U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities •Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Anionic Surfactant  U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs •Anionic Surfactant	Proprietary 7647-14-5 Proprietary Proprietary Proprietary 7647-14-5 Proprietary	Not Listed
Environment  U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants  •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Anionic Surfactant  U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities •Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities •Anionic Surfactant •Sodium chloride •Citrates •Anionic Surfactant •Anionic Surfactant  U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs •Anionic Surfactant  U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs •Anionic Surfactant	Proprietary 7647-14-5 Proprietary Proprietary Proprietary 7647-14-5 Proprietary	Not Listed
Environment  U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  *Anionic Surfactant  U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities  *Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant	Proprietary 7647-14-5 Proprietary Proprietary Proprietary 7647-14-5 Proprietary	Not Listed
Environment  U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities  *Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  *Anionic Surfactant	Proprietary 7647-14-5 Proprietary Proprietary Proprietary 7647-14-5 Proprietary	Not Listed
Environment  U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities  *Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant	Proprietary 7647-14-5 Proprietary Proprietary Proprietary 7647-14-5 Proprietary	Not Listed
Environment  U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants  - Anionic Surfactant  - Sodium chloride  - Citrates  - Anionic Surfactant  U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities  - Anionic Surfactant  - Sodium chloride  - Citrates  - Anionic Surfactant  - U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities  - Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities  - Anionic Surfactant  - Sodium chloride  - Citrates  - Anionic Surfactant  - V.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs  - Anionic Surfactant  - Sodium chloride  - Citrates  - Anionic Surfactant  - Sodium chloride  - Citrates  - Anionic Surfactant  - Sodium chloride  - Citrates  - Anionic Surfactant  - Citrates  - Anionic Surfactant  - Citrates  - Anionic Surfactant  - Anionic Surfactant  - Citrates  - Anionic Surfactant  - Citrates  - Anionic Surfactant  - Anionic Surfactant  - Anionic Surfactant  - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs  - Anionic Surfactant	Proprietary 7647-14-5 Proprietary Proprietary Proprietary 7647-14-5 Proprietary	Not Listed
Environment  U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities  *Anionic Surfactant  U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant  U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs  *Anionic Surfactant  *Sodium chloride  *Citrates  *Anionic Surfactant	Proprietary 7647-14-5 Proprietary Proprietary Proprietary 7647-14-5 Proprietary	Not Listed

•Citrates	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
U.S CERCLA/SARA - Section 313 - Emission Reporting		
•Anionic Surfactant	Proprietary	Not Listed
•Sodium chloride	7647-14-5	Not Listed
•Citrates		Not Listed
	Proprietary	
•Anionic Surfactant	Proprietary	
•Anionic Surfactant	Proprietary	Not Listed
U.S CERCLA/SARA - Section 313 - PBT Chemical Listing		
Anionic Surfactant	Proprietary	Not Listed
•Sodium chloride	7647-14-5	Not Listed
•Citrates	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
United States California		
United States - California		
Environment		
U.S California - Proposition 65 - Carcinogens List		
•Anionic Surfactant	Proprietary	Not Listed
	7647-14-5	
•Sodium chloride		Not Listed
•Citrates	Proprietary	
Anionic Surfactant	Proprietary	
Anionic Surfactant	Proprietary	Not Listed
U.S California - Proposition 65 - Developmental Toxicity		
Anionic Surfactant	Proprietary	Not Listed
•Sodium chloride	7647-14-5	Not Listed
•Citrates	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL)	, ,	
•Anionic Surfactant	Proprietary	Not Listed
•Sodium chloride	7647-14-5	Not Listed
•Citrates	Proprietary	Not Listed
•Anionic Surfactant		Not Listed
	Proprietary	
•Anionic Surfactant	Proprietary	Not Listed
U.S California - Proposition 65 - No Significant Risk Levels (NSRL)	5	
Anionic Surfactant	Proprietary	Not Listed
•Sodium chloride	7647-14-5	Not Listed
•Citrates	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
U.S California - Proposition 65 - Reproductive Toxicity - Female		
Anionic Surfactant	Proprietary	Not Listed
•Sodium chloride	7647-14-5	Not Listed
•Citrates	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
U.S California - Proposition 65 - Reproductive Toxicity - Male		
•Anionic Surfactant	Proprietary	Not Listed
•Sodium chloride	7647-14-5	Not Listed
•Citrates		
	Proprietary	Not Listed
•Anionic Surfactant	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
United States - Pennsylvania		
•		
Labor		
U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List		
•Anionic Surfactant	Proprietary	(solution)
•Sodium chloride	, ,	
VANDALI GURURUE	7647-14-5	Not Listed
	7647-14-5 Proprietary	Not Listed Not Listed
Citrates     Anionic Surfactant	7647-14-5 Proprietary Proprietary	Not Listed Not Listed Not Listed

•Anionic Surfactant	Proprietary	Not Listed
U.S Pennsylvania - RTK (Right to Know) - Special Hazardous Substances		
Anionic Surfactant	Proprietary	Not Listed
•Sodium chloride	7647-14-5	Not Listed
•Citrates	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed
Anionic Surfactant	Proprietary	Not Listed

## 15.2 Chemical Safety Assessment

• No Chemical Safety Assessment has been carried out.

#### **Section 16 - Other Information**

**Revision Date** 

• 23/October/2019

**Preparation Date** 

• 03/January/2017

Disclaimer/Statement of Liability

• The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations. Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

**Key to abbreviations** NDA = No data available