Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • **CleanSlate Dechlorination Tablets**

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

Recommended use • Water treatment

Details of the supplier of the safety data sheet

Manufacturer • Axiall, LLC

1000 Abernathy Rd. NE, Suite 1200
Atlanta, GA 30328
United States
www.axiall.com
msdsinfo@axiall.com

Telephone (General) • 800-245-2974

Emergency telephone number

Manufacturer • +1 304-455-6882

Section 2: Hazard Identification

UN GHS

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

Classification of the substance or mixture

UN GHS • Acute Toxicity Oral 5
Skin Sensitization 1
Respiratory Sensitization 1

Label elements

UN GHS

DANGER

Hazard statements • May be harmful if swallowed
May cause an allergic skin reaction
May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements

Prevention • Avoid breathing dust/fume/gas/mist/vapours/spraydust.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves .

In case of inadequate ventilation wear respiratory protection.

Response • IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment, see supplemental first aid information.
Call a POISON CENTER or doctor/physician if you feel unwell.

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

Supplemental information • 15 percent of this product consists of an ingredient of unknown toxicity.

Other hazards

UN GHS • May form combustible dust concentrations in air.
According to the Globally Harmonized System for Classification and Labeling (GHS) this product is considered hazardous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • Skin Sensitization 1
Respiratory Sensitization 1
Combustible Dust

Label elements

OSHA HCS 2012

DANGER

Hazard statements • May cause an allergic skin reaction
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May form combustible dust concentrations in air.

Precautionary statements

Prevention • Avoid breathing dust.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves .
In case of inadequate ventilation wear respiratory protection.

Response • IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
If on skin: Wash with plenty of water .
Specific treatment, see supplemental first aid information.
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.

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

Other hazards

OSHA HCS 2012 • Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to: WHMIS

Classification of the substance or mixture

WHMIS

- Not classified

Label elements

WHMIS

- No label element(s) required.

Other hazards

WHMIS

- May form combustible dust concentrations in air.
  In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition				
Chemical Name	**Identifiers**	**%**	**LD50/LC50**	**Classifications According to Regulation/Directive**
Sodium sulfite	**CAS:**7757-83-7	85%	Ingestion/Oral-Rat LD50 • 3560 mg/kg	**UN GHS:** Resp. Sens. 1; Skin Sens. 1; Acute Tox. 5 (orl) **OSHA HCS 2012:** Resp. Sens. 1; Skin Sens. 1
Inert Ingredient	*Proprietary*	2%	NDA	**UN GHS:** Not Classified **OSHA HCS 2012:** Comb. Dust

Section 4: First-Aid Measures

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 signs/symptoms continue, get medical attention.

Skin

- If irritation develops and persists, get medical attention. Remove contaminated clothing and shoes. Wash skin with soap and water. Do NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.

Eye

- Flush eyes with water for at least 15 minutes while holding eyelids open. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

Ingestion

- Do NOT induce vomiting. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

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

Extinguishing media

Suitable Extinguishing Media
- Use dry chemical, CO2, water spray (fog), or foam.

Unsuitable Extinguishing Media
- None known.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
  Emits toxic fumes under fire conditions.

Hazardous Combustion Products
- Carbon oxides, sulfur oxides, metal oxide/oxides.

Advice for firefighters

- Fire fighters should wear complete protective clothing including self-contained breathing apparatus.
  Wear positive pressure self-contained breathing apparatus (SCBA).
  Move containers from fire area if you can do it without risk.
  LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions
- Ventilate enclosed areas. Do not walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe dust.

Emergency Procedures
- As an immediate precautionary measure, isolate spill or leak area. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Contain spill and monitor for excessive dust accumulation. Avoid unnecessary personnel and equipment traffic in the spill area.

Environmental precautions

- Avoid release to the environment. No special environmental precautions necessary.

Methods and material for containment and cleaning up

Containment/Clean-up Measures
- Stop leak if you can do it without risk.
  Avoid generating dust.
  Carefully shovel or sweep up spilled material and place in suitable container.
  Use clean nonsparking tools to collect material.
  Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Reference to other sections

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

Section 7 - Handling and Storage

Precautions for safe handling

Handling
- Use only with adequate ventilation. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and

bonding, or inert atmospheres. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Conditions for safe storage, including any incompatibilities

Storage

- Keep container tightly closed. Keep only in the original container. Store in a cool, dry, well-ventilated place. Keep from direct sunlight.

Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines

- No applicable exposure limits available for product or components.

Exposure controls

Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is not leakage from the equipment). It is recommended that dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion supression system or an oxygen-deficient environment.

Personal Protective Equipment

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear safety glasses.

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Green solid (tablets) with no odor.
Color	Green	Odor	Odorless
Odor Threshold	No data available		
General Properties			
Boiling Point	Decomposes	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	No data available	Water Solubility	100 %
Viscosity	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	Volatiles (Wt.)	0 %
Volatiles (Vol.)	0 %		

Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Flammability (solid, gas)	No data available
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Excess heat. Avoid dust generation and accumulation.

Incompatible materials

- Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong acids.

Hazardous decomposition products

- Decomposition products may include the following materials: carbon monoxide, carbon dioxide, sulfur oxides (SO2, SO3, etc.), metal oxide/oxides.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Sodium sulfite (85%)	7757-83-7	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 3560 mg/kg; *Behavioral*:**Somnolence (general depressed activity)**; *Behavioral*:**Convulsions or effect on seizure threshold**; *Skin and Appendages:Other*:**Hair**

GHS Properties	Classification
Respiratory sensitization	**OSHA HCS 2012** • Respiratory Sensitizer 1 **UN GHS** • Respiratory Sensitizer 1
Serious eye damage/Irritation	**OSHA HCS 2012** • No data available **UN GHS** • No data available
Acute toxicity	**OSHA HCS 2012** • No data available **UN GHS** • Acute Toxicity - Oral 5 - ATEmix (oral) = 3560 mg/kg
Aspiration Hazard	**OSHA HCS 2012** • No data available **UN GHS** • No data available
Carcinogenicity	**OSHA HCS 2012** • No data available **UN GHS** • No data available
Skin corrosion/Irritation	**OSHA HCS 2012** • No data available **UN GHS** • No data available

Skin sensitization	**OSHA HCS 2012** • Skin Sensitizer 1 **UN GHS** • Skin Sensitizer 1
STOT-RE	**OSHA HCS 2012** • No data available **UN GHS** • No data available
STOT-SE	**OSHA HCS 2012** • No data available **UN GHS** • No data available
Toxicity for Reproduction	**OSHA HCS 2012** • No data available **UN GHS** • No data available
Germ Cell Mutagenicity	**OSHA HCS 2012** • No data available **UN GHS** • No data available

Potential Health Effects

Inhalation

Acute (Immediate)
- Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible.

Chronic (Delayed)
- Chronic irritation and inflammation of the respiratory tract and alteration of the sense of smell and taste is not uncommon a result of frequent exposure to 30 to 100 ppm sodium sulfite. Repeated and prolonged exposure may cause sensitization of the respiratory system.

Skin

Acute (Immediate)
- May cause skin sensitization. Symptoms include redness, and skin rash. Exposure to dust may cause mechanical irritation.

Chronic (Delayed)
- No data available

Eye

Acute (Immediate)
- Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.

Chronic (Delayed)
- No data available

Ingestion

Acute (Immediate)
- May be harmful if swallowed.

Chronic (Delayed)
- No data available

Key to abbreviations

LD = Lethal Dose

Section 12 - Ecological Information

Toxicity

- Material data lacking.

Persistence and degradability

- Material data lacking.

Bioaccumulative potential

- Material data lacking.

Mobility in Soil

- Material data lacking.

Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

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

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

Special precautions for user
- None specified.

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

Section 15 - Regulatory Information

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

SARA Hazard Classifications
- Acute

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Inert Ingredient	*Proprietary*	No	No	No	No	No
Sodium sulfite	7757-83-7	Yes	No	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Sodium sulfite	7757-83-7	Uncontrolled product according to WHMIS classification criteria
• Inert Ingredient	*Proprietary*	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Sodium sulfite	7757-83-7	Not Listed
• Inert Ingredient	*Proprietary*	Not Listed

Section 16 - Other Information

Revision Date
- 02/October/2015

Preparation Date
- 26/March/2014

Disclaimer/Statement of Liability
- The technical data given herein is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. No guarantee is being given as to the end use performance. The product is sold on the basis that buyers test the product for their specific purposes. This information related to the material designated and may not be valid for such material used in combination with any other materials or in any process.

Key to abbreviations

NDA = No Data Available