

Issue Date: 14-Sept-2015

Revision Date:

Version 1

1. IDENTIFICATION

Product Identifier

Product Name ASHBURN CHELATOR CRYSTALS

Other means of identification

SDS #

ITEM# B-4185-55

Recommended use of the chemical and restrictions on use

Recommended Use Water-hardness treatment

Details of the supplier of the safety data sheet

Supplier Address

Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041

Emergency Telephone Number

Company Phone Number

832-399-1000

Emergency Telephone (24 hr)

INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance White crystal

Physical State Solid

Odor Odorless

Classification

Acute Toxicity - Inhalation

Category 4

Signal Word

WARNING

Hazard Statements

Harmful if inhaled

Symbol



Precautionary Statements - Prevention

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Use only outdoors or in a well-ventilated area.

Precautionary Statements - Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell

Other Hazards

Slipping hazard

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Disodium EDTA	6381-92-6	100

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures**

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Flush immediately with plenty of water for 15 minutes. If irritation persists, see physician.
Skin Contact	Wash contact areas with soap and water. If skin irritation persists, call a physician.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention for further treatment.
Ingestion	Rinse mouth. Do not induce vomiting without medical advice. If symptoms persist, call a physician.

Most important symptoms and effects

Symptoms	May cause temporary skin and eye irritation. See SECTION 11 for delayed and chronic effects.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use water fog, or dry chemical extinguish flames.

Unsuitable Extinguishing Media No data available

Specific Hazards Arising from the Chemical**Hazardous Combustion Products**

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Nitrogen oxides. Carbon monoxide. Carbon dioxide.

Unusual Fire / Explosion Hazard Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, do not permit dust accumulate.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Use appropriate safety equipment. Use non-sparking tools in cleanup operations See SECTION 8 for Personal Protective Equipment.
Environmental Precautions	Prevent product from entering drains. See SECTION 12 for Ecological Information.

Methods and material for containment and cleaning up

Use non-sparking tools in cleanup operations
Spilled material may cause a slipping hazard.
Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, electrically bond and ground equipment and do not permit dust to accumulate. Dust can be ignited by static discharge.
Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.
See SECTION 13 for Waste Disposal.

7. HANDLING AND STORAGE

Precautions for safe handling	Do not handle until all safety precautions have been read and understood. See SECTION 8 for Personal Protection. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing fumes, vapors, mists, spray. Wash face, hands, and any exposed skin thoroughly after handling. See SECTION 2 for Precaution Statements
Conditions for safe storage	Do not store in: Zinc. Aluminum and its alloys. Carbon steel. Copper. Copper alloys. Galvanized containers. Nickel. Opened or unlabeled containers. Store in original unopened container. See Section 10 for more specific information. Store in accordance with good manufacturing practices. Minimize sources of ignition, such as static build-up, heat, spark or flame. See SECTION 10 for Stability and Reactivity Information.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Exposure Guidelines</u>	Noe established.
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Appropriate engineering controls

Engineering Controls	Maintain airborne level below exposure limit requirements or guidelines. If there is no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses with side shields are recommended.
Skin and Body Protection	Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Polyvinyl chloride ("PVC" or "vinyl"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR").

Respiratory Protection

Ensure adequate ventilation, especially in confined areas.
In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations

Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing and launder before reuse.

See SECTION 4 for First-Aid Measure

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Solid	Odor	Odorless
Appearance	Crystal	Odor Threshold	Not determined
Color	White		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH (1% solution)	4-6		
Freezing / Boiling Point	Not applicable to solids		
MeltingPoint	252 °C / 486 °F		
Flash Point	Not flammable		
Evaporation Rate	< 1.0		(butyl acetate = 1)
Flammability (Solid, Gas)	Not applicable		
Upper Flammability Limits	Not applicable		
Lower Flammability Limit	Not applicable		
Vapor Pressure	< 0.01 mmHg (literature)		@ 68°F (20 ° C)
Vapor Density	Not applicable		(Air=1)
Specific Gravity	1.04		(1=Water)
Water Solubility	10% at 25 °C (literature)		
Solubility in other solvents	Not determined		
Partition Coefficient	Not applicable		
Auto-ignition Temperature	Not applicable		
Decomposition Temperature	Not applicable		
Kinematic Viscosity	Not applicable		
Dynamic Viscosity	Not applicable		
Explosive Properties	Not explosive		
Oxidizing Properties	No		
VOC Content (%)	Not applicable		

10. STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Incompatible Materials.
Incompatible Materials	Strong bases, strong alkali agents

Hazardous Decomposition Products

Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Carbon monoxide. Carbon dioxide. Ammonia. Nitrogen oxides.
See SECTION 5 in the event of fire

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	May cause slight temporary eye irritation.
Skin Contact	May cause slight redness. May cause severe response if skin is scratched or cut.
Inhalation	Harmful if inhaled.
Ingestion	May be harmful if swallowed. May cause gastrointestinal irritation or diarrhea.
<u>Acute Toxicity</u>	Oral: Low toxicity if swallowed. LD50 (Rat) 2,8000mg/kg Inhalation: Prolonged excessive exposure to dust may cause adverse effects.

Information on physical, chemical and toxicological effects

Carcinogenicity	The trisodium salt of EDTA did not cause cancer in laboratory animals.
Reproductively	Limited data in laboratory animals suggest that the material does not affect reproduction
STOT single/Repeated Exposure	No data available
Mutagenicity	No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Material is practically non-toxic to aquatic organisms on an acute basis.
Persistence/Degradability	Expected to be biodegradable.
Bioaccumulation	Bioaccumulation potential is low (BCF < 100 or Log Pow < 3).
<u>Other Adverse Effects</u>	Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<u>DOT</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated
Marine Pollutant	This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA US	DSL Canada	NDSL	EINECS Europe	ELINCS Europe	ENCS Japan	IECSC China	KECL Korea	PICCS Philippines	AICS Australia
Disodium EDTA	Y	Y		Y	Y	Y	Y	Y	Y	Y

US Federal Regulations

CERCLA

This material does not contains a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 255)

SARA 311/312 Hazardous Chemical This material, as supplied, does not contain any substances subject to the requirements of SARA Sections 311/312 (40 CFR 370)

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Triethanolamine 102-71-6			X

16. OTHER INFORMATION

NFPA

Health Hazards

Flammability

Instability

Special Hazards

1

1

0

Not determined

HMIS

Health Hazards

Flammability

Physical Hazards

Personal Protection

1

0

Not determined

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Revision Note:

New format

Disclaimer

The information provided in this Safety Data Sheet 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. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet