

Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • Algidex Ag®

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

Relevant identified use(s) • Algidex Ag is an ionic silver alginate and maltodextrin matrix available with or without an absorbent backing material. Algidex Ag is also available in paste form.

1.3 Details of the supplier of the safety data sheet

Manufacturer • DeRoyal Industries, Inc.
200 DeBusk Lane
Powell, TN 37849
United States
www.deroyal.com
customerservice@deroyal.com

Telephone (General) • 800-251-9864

1.4 Emergency telephone number

• 800-524-3416

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

2.1 Classification of the substance or mixture

CLP • Not classified

2.2 Label Elements

CLP

Hazard statements • No label element(s) required

2.3 Other Hazards

CLP • According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

UN GHS

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

2.1 Classification of the substance or mixture

UN GHS • Not classified

2.2 Label elements

UN GHS

Hazard • No label element(s) required
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

2.1 Classification of the substance or mixture

WHMIS • Not classified

2.2 Label elements

WHMIS • No label element(s) required.

2.3 Other hazards

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

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	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Silver	CAS:7440-22-4 EINECS:231-131-3	N/A	Ingestion/Oral-Mouse LD50 • 100 mg/kg	UN GHS: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation** • Move victim to fresh air. Get medical attention if symptoms occur.
- Skin** • First-aid is not expected to be necessary under normal conditions of use.
- Eye** • If contact with eyes directly, flush with gently flowing fresh water thoroughly. Get medical attention if symptoms occur.
- Ingestion** • Rinse mouth with water. Get medical attention if symptoms occur.

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** • No specific actions or treatments recommended related to exposure to this material.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media** • Water, Carbon Dioxide, or Dry Chemical.
- Unsuitable Extinguishing Media** • No data available.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards** • None

- Hazardous Combustion Products** • Decomposition by-products may include carbon monoxide, carbon dioxide, and oxides of nitrogen.

5.3 Advice for firefighters

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

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions** • Do not walk through spilled material. Use appropriate Personal Protective Equipment (PPE).
- Emergency Procedures** • No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

6.2 Environmental precautions

- None expected to be necessary under normal conditions of use.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures** • Use normal clean up procedures.

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 with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage • Store in a cool, dry place.

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					
	Result	ACGIH	Korea	NIOSH	OSHA
Silver (7440-22-4)	TWAs	0.1 mg/m ³ TWA (dust and fume)	0.1 mg/m ³ TWA (metal, Serial No. 455)	0.01 mg/m ³ TWA (dust)	0.01 mg/m ³ TWA

8.2 Exposure controls

Engineering Measures/Controls • No special engineering measures/controls expected to be necessary under normal conditions of use.

Personal Protective Equipment

Respiratory • None required under normal conditions of use.

Eye/Face • Wear appropriate eye protection.

Skin/Body • Wear appropriate gloves.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

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	Liquid	Appearance/Description	Purplish gray to brown paste, thin sheet or foam substrate.
Color	Purplish gray to brown.	Odor	No discernable odor.
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	No data available	Water Solubility	No data available
Viscosity	No data available	Explosive Properties	No data available
Oxidizing Properties:	No data available		

Volatility			
Vapor Pressure	No data available	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		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under normal conditions of use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Excess heat.

10.5 Incompatible materials

- Strong oxidizing agents.

10.6 Hazardous decomposition products

- Carbon monoxide, carbon dioxide, oxides of nitrogen.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

GHS Properties	Classification
Acute toxicity	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
Aspiration Hazard	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
Carcinogenicity	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
Germ Cell Mutagenicity	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
Skin corrosion/Irritation	EU/CLP•No data available OSHA HCS 2012•No data available

	UN GHS•No data available
Skin sensitization	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
STOT-RE	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
STOT-SE	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
Toxicity for Reproduction	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
Respiratory sensitization	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
Serious eye damage/Irritation	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available

Potential Health Effects

Inhalation

Acute (Immediate) • Under normal conditions of use, no health effects are expected.

Chronic (Delayed) • No data available

Skin

Acute (Immediate) • Under normal conditions of use, no health effects are expected.

Chronic (Delayed) • No data available.

Eye

Acute (Immediate) • Under normal conditions of use, no health effects are expected.

Chronic (Delayed) • No data available.

Ingestion

Acute (Immediate) • Under normal conditions of use, no health effects are expected.

Chronic (Delayed) • No data available.

Section 12 - Ecological Information

12.1 Toxicity

- No data available.

12.2 Persistence and degradability

- No data available.

12.3 Bioaccumulative potential

- No data available.

12.4 Mobility in Soil

- No data available.

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 Regulated	Not Regulated	NDA	NDA	NDA
TDG	Not Regulated	Not Regulated	NDA	NDA	NDA
IMO/IMDG	Not Regulated	Not Regulated	NDA	NDA	NDA
IATA/ICAO	Not Regulated	Not Regulated	NDA	NDA	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

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	Korea KECL
Silver	7440-22-4	Yes	No	Yes	No	Yes
Inventory (Con't.)						
Component		CAS		TSCA		
Silver		7440-22-4		Yes		

Canada

Labor

Canada - WHMIS - Classifications of Substances

•Silver 7440-22-4 Uncontrolled product according to WHMIS classification criteria

Canada - WHMIS - Ingredient Disclosure List

•Silver 7440-22-4 1 %

Environment

Canada - CEPA - Priority Substances List

•Silver 7440-22-4 Not Listed

Korea**Labor****Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying**

•Silver	7440-22-4	Not Listed
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Korea - ISHA - Harmful Substances Requiring Permission

•Silver	7440-22-4	Not Listed
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Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substances

•Silver	7440-22-4	Not Listed
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Environment**Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals**

•Silver	7440-22-4	Not Listed
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United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

•Silver	7440-22-4	Not Listed
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U.S. - OSHA - Specifically Regulated Chemicals

•Silver	7440-22-4	Not Listed
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Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

•Silver	7440-22-4	Not Listed
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U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

•Silver	7440-22-4	Not Listed	1000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 454 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)
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U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

•Silver	7440-22-4	Not Listed
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

•Silver	7440-22-4	Not Listed
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

•Silver	7440-22-4	Not Listed
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U.S. - CERCLA/SARA - Section 313 - Emission Reporting

•Silver	7440-22-4	1.0 % de minimis concentration
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U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

•Silver	7440-22-4	Not Listed
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United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

•Silver	7440-22-4	Not Listed
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U.S. - California - Proposition 65 - Developmental Toxicity

•Silver	7440-22-4	Not Listed
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U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

•Silver	7440-22-4	Not Listed
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U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

•Silver	7440-22-4	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Female

•Silver	7440-22-4	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Male

•Silver	7440-22-4	Not Listed
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15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date • 7/30/2015

Preparation Date • 7/30/2015

Disclaimer/Statement of Liability • The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, no warranty or representation, express or implied is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

Key to abbreviations

NDA = No data available