



# Baypure CX 100/34%

## SAFETY DATA SHEET

Page: 1 of 8

SDS#: 1710

Review/Revision Date: 01/10/17

### SECTION 1 - General Information And Chemical Product Identification

Trade Name: **Baypure CX 100/34%**

CAS #: **144538-83-0**

Chemical Name: **Aqueous solution of sodium iminodisuccinate**

Product Code:  
**BaypureCX  
100/34%**

Application/Uses/ **Fertilizer raw material, complexing agent**

Restrictions **None indicated**

Distributor Information **LidoChem, Inc. 20 Village Court, Hazlet, NJ 07730, Phone: (732) 888 8000  
Fax: (732) 264 2751 \* email: info@lidochem.com**

Emergency phone #: **CHEMTREC - Day or Night - at 800 424 9300**

### SECTION 2 - Hazard(s) Identification

#### Classification of the substance or mixture (GHS-US)

Not Classified

#### GHS Precautionary Statements - Prevention, Response, Storage, Disposal

No label elements required

PREVENTION: Not Applicable

RESPONSE: Not Applicable

STORAGE: Not Applicable

P501: Dispose of contents/container to local, state and federal regulations.

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.

#### Physical Hazards

None

#### Hazard Statement

No known significant effects or critical hazards

#### OSHA Defined Hazards

This product does NOT contain any products considered hazardous under the Federal OSHA HazCom. Standard 29 CFR 1910.1200.

#### HNOC - Hazards Not Otherwise Classified

No other hazards classified

#### Signal Word

None

### SECTION 3 Composition/information On Ingredients

Molecular Weight: **337.1**

Chemical FORMULA: **C<sub>8</sub>H<sub>11</sub>NO<sub>8</sub>.4Na**

CAS#:	Common Name/Synonyms:	% by Wt.
144538-83-0	Sodium iminodisuccinate	77.25

**SECTION 4 - First Aid Information****Description of first aid measures****General Advice:**

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

**If Inhaled:**

Remove to fresh air. If breathing becomes difficult, oxygen may be given, preferably with a physician's advice. If not breathing, give artificial respiration. Get medical attention. No known significant effects or critical hazards.

**In Case Of Skin Contact:**

Immediately wash with soap and water for a minimum of 15 minutes. Wash clothing before reuse and discard footwear which cannot be cleaned. Get immediate medical attention if irritation occurs. No known significant effects or critical hazards.

**In Case Of Eye Contact:**

Flush eyes with large quantities of running water for a minimum of 15 minutes. If victim is wearing contact lenses, remove them. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eye and lids with water. No known significant effects or critical hazards.

**If Swallowed:**

Give several glasses of water or milk. If vomiting occurs, keep head below hips to reduce risk of aspiration. Give fluids again. Contact Poison Control Center. **Never give anything to eat or drink to someone who is unconscious, having convulsions, or unable to swallow.** No known significant effects or critical hazards.

**Most important symptoms and effects, both acute and delayed:**

Eye: redness, itching

Acute inhalation: none known

Ingestion: essentially non-toxic

Skin: non-irritating

**Indication of any immediate medical attention and special treatment needed:**

No known significant effects or critical hazards.

**SECTION 5 - Fire And Explosion Data****Suitable Extinguishing Media:**

Use an extinguishing agent suitable for the surrounding fire. In case of fire, use water spray (fog), foam or dry chemical.

**Unsuitable Extinguishing Media:**

None known

**Specific Hazards arising from the chemical:**

Not considered a fire hazard. When involved in a fire, does not contribute any unusual hazards.

Decomposition products may include the following materials: carbon dioxide: carbon monoxide, nitrogen oxides, metal oxide/oxides

**Special protective equipment and precautions for fire-fighters:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Fire-fighting equipment/instructions**

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate nonessential personnel from the fire area. Contain any liquid run off.

**Specific Methods**

Use an extinguishing agent suitable for the surrounding fire. In case of fire, use water spray (fog), foam or dry chemical.

**Section 6 - Accidental Release Measures**

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

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Wear appropriate PPE. Stop source of spill if safe to do so. Move containers from spill area.

**Environmental Precautions:**

Consult with environmental regulatory agencies for acceptable procedures of disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and Materials for Containment and Clean Up:**

Wash spillages into an effluent treatment plant or contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Prevent entry into sewers, water courses, basements or confined areas.

**Section 7- Handling and Storage**

**Precautions for safe handling:**

Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Wear appropriate personal protection equipment. Avoid breathing dust. Avoid contact with eyes and skin. Washing thoroughly after handling.

**Conditions for safe storage:**

Store in a dry place away from excessive heat, in original containers. Reseal containers immediately after use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers.

**Incompatibilities:**

No information available

**Section 8 - Exposure Control and Personal Protection**

**Occupational Exposure Limits:**

Chemical Identity:	CAS #:	Exposure Limit Values		SOURCE	OSHA/PPM
		TWA	STEL		PEL
Sodium iminodisuccinate	144538-83-0	N/D		ACGIH Threshold Limit Values	N/D
				ACGIH Threshold Limit Values	N/D
				ACGIH Threshold Limit Values	

**Exposure Limits and Appropriate Engineering Controls:**

Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting OSHA requirements. The following limits (ACGIH, OSHA and other) apply to this material, where, if indicated, S=skin and C=ceiling limit:  
ACGIH TLV/TWA PARTICULATES NOT OTHERWISE CLASSIFIED : Not evaluated

**Individual Protection Measures, (Personal Protective Equipment):**

**Eye Protection**

Eye/face protection requirements vary depending upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be used for the particular use intended for this material. Use chemical safety glasses with side shields to prevent eye contact. Emergency eye wash must be readily accessible to work area.

**Skin Protection**

Skin contact with this product should be minimized through the use of suitable protective clothing and gloves selected with regard for use condition exposure potential.

**Other Protection:**

None specified

**Respiratory Protection**

None required under normal conditions of use.

**Ventilation Limits:**

Under normal condition of use, special ventilation is not required.

**Hygienic Practices:**

All food and smoking materials should be kept in a separate area away from the storage/use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, drinking or smoking, hands and face should be thoroughly washed. Educate and train employees in the safe use and handling of this product.

**Section 9 - Physical and Chemical Properties**

**Appearance And Odor:** Colorless to yellow liquid, slight odor

**pH:**

**Melting Point:** -20°C (-4°F)

**Freezing Point:** No data available

**Boiling Point:** 100 °C (1013 hPa)

**Flash Point:** N/Ap

**Evaporation Rate:** No data available

**Solubilities:** Miscible

**Specific Gravity:** No data available

**Bulk Density:** 1.32 to 1.35 g/cm3

**Other Information:**

**Flammable Limits:** No data available

**UEL:** No data available

**LEL:** No data available

**Vapor Pressure(mm/hg):** No data available

**Vapor Density(air=1):** No data available

**Autoignition Temp:** No data available

**Decomposition Temp:** >350°C

**Reactivity In Water:** none

**Viscosity:** No data available

**Section 10 - Stability and Reactivity**

**Chemical Stability and Reactivity:**

This product is stable at ambient temperatures and atmospheric pressures. No specific test data related to reactivity available for this product or its ingredients.

**Possible Hazardous Reactions:**

Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to Avoid:**

No information available

**Incompatible Materials:**

No information available

**Hazardous Decomposition Products:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11- Toxicological Information**

**Information On The Likely Routes Of Exposure:** Dermal, Eye, Inhalation, Ingestion

**Symptoms Related To The Physical, Chemical And Toxicological Effects:**

**Inhalation Effects:**

Inhalation toxicity data is not available. Chronic inhalation exposure effects are not known.

**Skin Effects:**

Non-irritating (4h) rabbit

**Dermal Toxicity:**

Greater than 5000 mg/kg (Rats).

**Eye Effects:**

Non-irritating (4h) rabbit

**Ingestion Effects:**

Acute Oral LD50 (Rat): >5000 mg/

Chronic toxicity: Rat <200 mg/kg 28 days Sub-acute NOAEL Oral

**Sensitization:**

Not a dermal sensitizer. (Guinea pig)

**Carcinogenicity/Mutagenicity:**

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens. Not considered a mutagen as seen in the Ames Test.

**Reproductive Effects:**

No known significant effects or critical reproductive hazards.

**Neurotoxicity:**

The neurotoxic effects of this product are not known.

**Target Organs:**

Target organ effects of this material are not available.

**Additional Toxicological Information:**

No other toxic effects for this product are known.

**Section 12- Ecological Information**

**Ecotoxicity:** Acute EC0 >10000 mg/l \*Bacteria 3 hrs, Acute EC0 >84 mg/l \*Daphnia - Daphnia magna 48 hrs

**Degradability:** Aerobic, 79%, Aerobic, 89-99%, Anerobic, 39%, Exposure time: 56 days

**Bioaccumulative potential:** No information available

**Mobility in the Soil:** No information available

**Additional Adverse effect on environment:**

(Biomass) Acute IC50 66.5 m/l - Algae - Scenedesmus suspicatus: 72 Hrs.

(Growth Rate) Acute IC50 94.5 m/l - Algae - Scenedesmus suspicatus: 72 Hrs.

Acute LC0 82.6 m/l - Algae - Fish Danio rerio 96 Hrs.

Readily biodegradable

**SECTION 13 - Disposal Considerations****Disposal Instructions and Regulations:**

The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Waste disposal should be in accordance with existing federal state, provincial and or local environmental controls laws. If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic.

**Hazardous Waste Code:** Not a Hazardous waste.

**Container Disposal Information:**

Containers should be cleaned of residual product before disposal. Empty containers should be disposed of in accordance with all applicable laws and regulations.

**Section 14 - Transport Information****US DOT, IATA, IMO, ADR:**

**Proper Shipping Name:** Iminodisuccinate Sodium Salt

**D. O. T. Hazard Class:** Not regulated by D.O.T.

**UN #:** N/Ap

**Label Requirement:** None

**RQ:** N/Ap

**Placard:** None

**CAS:** 144538-83-0

**Packing Group:** N/Ap

**ERG Book Information:** Guide # 171

**Environment Hazards:** No

**Marine Pollutant:** No

**Special Precautions:** No

**IATA:** Not regulated as dangerous goods.

**Section 15 - Regulatory Information****US Federal - OSHA Status:**

This product does NOT contain any products considered hazardous under the Federal OSHA HazCom. Standard 29 CFR 1910.1200.

**TSCA Status:**

Listed/Reportable

**U.S. SARA Reporting Requirements:****SARA Title III Hazard Classes Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:**

This product does NOT contain ingredients listed in Appendix A and B as Extremely Hazardous substances.

**SARA Title III Hazard Classes Sections 311/312:**

N/Ap

**SARA Section 313 Toxic Chemicals:**

This product contains the following toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act:

**CAS#**      **Chemical Name:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels.

**SARA Superfund Section 110:**

This product does NOT contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

**CERCLA, 40 CFR 117, 302:**

This product does not contain ingredients specified in the List of Extremely Hazardous Substances.

**CERCLA listed substances are:**

None

**Other Federal Reporting Requirements:**

**CAA:** This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act  
**CWA:** No chemicals in product are listed a Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.  
**RCRA:** Not a hazardous waste under RCRA.

**State Reporting Requirements:**

**State Right to Know Laws:**

CAS#	State RTK	Chemical Name
144538-83-0	MA, NJ, PA	Iminodisuccinate Sodium Salt

**CALIFORNIA PROPOSITION 65:**

This product does NOT contain any chemicals which require warning under California Proposition 65.

**Michigan Critical Materials:**

This product does NOT contain ingredients listed on the Michigan Critical Materials Register.

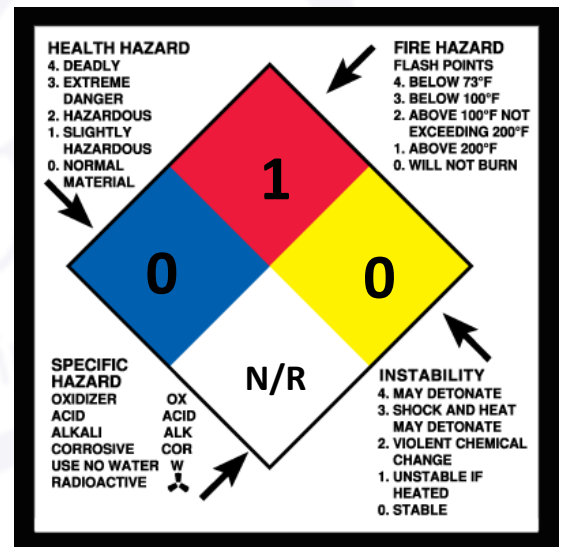
**Global Lists/International Inventories:**

**Canada CEPA:** All components are listed on the Canadian DSL  
**Canada WHMIS:** None known

**SECTION 16 - Other Information**

While this material is not considered hazardous by the OSHA HCS (29 CFR 1910.1200), the SDS contains valuable information critical to the safe handling and proper use of the product. Retain this SDS for employees and other users of this product.

3-9-15 SDS reviewed - updated to GHS requirements. This replaces all previous MSDS's  
 1-10-17 Reviewed updated RTK and composition, this replaces all previous SDS's.



**Date of last revision:**

1-10-2017

NOTICE: OSHA STANDARD 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Material Safety Data Sheets, and access to written records. We request that you, and it is your legal duty, make all information in this Material Safety Data Sheet available to your employees.

**Key Legend Information:**

N/Ap:	Not Applicable	ND:	Not Determined
N/R:	Not Rated	NDA:	No Data Available
ACGI:	American Conference of Govr'ntal Industrial Hygienists	TLV:	Threshold Limit Value
OSHA:	Occupational Safety and Health Administration	TWA:	Time Weighted Average
PEL:	Permissible Exposure Limit	NTP:	National Toxicology Program
STEL:	Short Term Exposure Limit	TSCA:	Toxic Substance Control Act
IARC:	International Agency for Research on Cancer	CERCLA:	Comprehensive Response, Compensation and Liability Act
SARA Title III:	Superfund Amendments and Reauthorization Act	CWA:	Clean Water Act
CAA:	Clean Air Act	IMO:	International Maritime Organization Shipping Info.
RCRA:	Resource Conservation Recovery Act	WHMIS:	Workplace Hazardous Materials Information System
IATA:	International Air Transport Association Shipping Info.		
DSL:	Domestic Substance List (Canada)		

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This Safety Data Sheet was prepared to comply with OSHA Hazard Communication standard. (29 CFR 1910.1200 HazCom 2012). This supersedes any previous information. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by LidoChem, Inc. as to the effects of such use or the results to be obtained, nor does LidoChem, Inc. assume any liability arising out of use, by others, of the products referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist because of applicable laws or government regulations. All LidoChem Inc. SDS's are reviewed every three years or sooner if necessary. Please check the Review Date on Page 1 for most current version. Please request a new SDS from LidoChem, Inc. if the date is older than 3 years.