

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MORGAN-051-BULK
Product Name: CLD-4
Company Name: Morgan-Gallacher, Inc.
 8707 Millergrove Drive
 Santa Fe Springs, CA 90670
Phone Number: +1 (562)695-1232
Emergency Contact: CHEMTREC +1 (800)424-9300

2. HAZARDS IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 2A
Skin Corrosion/Irritation, Category 3
Acute Toxicity: Oral, Category 4



GHS Signal Word: **Warning**

GHS Hazard Phrases: H302 - Harmful if swallowed.
 H316 - Causes mild skin irritation.
 H319 - Causes serious eye irritation.

GHS Precaution Phrases: P102 - Keep out of reach of children.
 P103 - Read label before use.
 P262 - Do not get in eyes, on skin, or on clothing.
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 - Wash hands thoroughly after handling.
 P280 - Wear protective gloves/protective clothing/eye protection.

GHS Response Phrases: P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P315 - Get immediate medical advice/attention.
 P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P315 - Get immediate medical advice/attention.
 P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes. P332+313 - If skin irritation occurs, get medical advice/attention.

GHS Storage and Disposal Phrases: P501 - Dispose of contents/container in accordance to local, state and federal regulations.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic): Adverse reproductive effects have been reported in animals.

Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Skin Contact: May be harmful if absorbed through the skin. May cause skin irritation.

Eye Contact: Lachrymator (substance which increases the flow of tears). Causes eye burns. Causes severe eye irritation.

Ingestion: May be harmful if swallowed. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
497-19-8	Sodium carbonate	>70.0 %
6834-92-0	Sodium metasilicate	>10.0 %
NA	Phosphate	>10.0 %
NA	Surfactant	> 5.0 %

4. FIRST AID MEASURES

Emergency and First Aid

Procedures:

In Case of Inhalation:	Remove from exposure and move to fresh air immediately. Get medical aid.
In Case of Skin Contact:	Take off contaminated clothing and shoes immediately. In case of contact, immediately wash skin with soap and copious amounts of water.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
In Case of Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician.

Signs and Symptoms Of Exposure: Exposure can cause: Nausea, headache, and vomiting.

Note to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flash Pt:	NA
Explosive Limits:	LEL: N.A. UEL: N.A.
Autoignition Pt:	NA
Suitable Extinguishing Media:	Material is not combustible. Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Fire Fighting Instructions:	The product itself does not burn. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Flammable Properties and Hazards:	No data available.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:	Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation.
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7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Minimize dust generation and accumulation. Do not ingest or inhale. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes, skin, and clothing.
Precautions To Be Taken in Storing:	Store in a cool, dry place. Store in a tightly closed container. Keep away from acids. Hygroscopic.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
497-19-8	Sodium carbonate	No data.	No data.	No data.
6834-92-0	Sodium metasilicate	No data.	No data.	No data.
NA	Phosphate	No data.	No data.	No data.
NA	Surfactant	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	<input type="checkbox"/> Gas <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid
Appearance and Odor:	White. Free flowing granules.
Melting Point:	NP
Boiling Point:	NP
Decomposition Temperature:	NA
Autoignition Pt:	NA
Flash Pt:	NA
Explosive Limits:	LEL: N.A. UEL: N.A.
Specific Gravity (Water = 1):	NA
Density:	NA
Bulk density:	NA
Vapor Pressure (vs. Air or mm Hg):	NP
Vapor Density (vs. Air = 1):	NP
Evaporation Rate:	NP
Solubility in Water:	NA
Saturated Vapor Concentration:	NP
Viscosity:	NP
pH:	NP
Percent Volatile:	No data.

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable []

Conditions To Avoid - Instability: Incompatible materials, dust generation, Excess heat, Exposure to moist air or water.

Incompatibility - Materials To Avoid: Acids, Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Carbon monoxide, Carbon dioxide, formed under fire conditions. Sodium oxides, silicon oxides. oxides of phosphorus.

Possibility of Hazardous Reactions: Will occur [] Will not occur []

Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No information found.
Teratogenicity: Teratogenic effects have occurred in experimental animals.
Reproductive Effects: No information found.
Mutagenicity: No information found.
Neurotoxicity: No information found.

Other Studies: CAS# 497-19-8:
Acute toxicity, LD50, Oral, Rat, 4090 mg/kg
Other Studies: CAS# 497-19-8:
Standard Draize Test, Skin, Species: Rabbit, 500.0 mg, 24H
Standard Draize Test, Eyes, Species: Rabbit, 100.0 mg, 24H

Other Studies: CAS# 6834-92-0:
Acute toxicity, LD50, Oral, Rat, 1000 mg/kg
Other Studies: CAS# 6834-92-0:
Standard Draize Test, Skin, Species: Rabbit, 250.0 mg, 24H

Other Studies: Phosphate:
Acute toxicity, LD50, Oral, Rat, 3120 mg/kg
Other Studies: SurfactantCAS# 9016-45-9
Acute toxicity, LD50, Oral, Rat, 1310 mg/kg. Other Studies: SurfactantCAS# 9016-45-9
Standard Draize Test, Eyes, Species: Rabbit, 4mg.

Carcinogenicity/Other Information: CAS# 497-19-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Carcinogenicity.
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 7758-29-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: No information available.
Physical: No information available.

Results of PBT and vPvB assessment: Other Studies: CAS# 497-19-8:
LC50, Water Flea (Daphnia magna), 265,000 ug/L, 48H
LC50, Fathead Minnow (Pimephales promelas), 850,000 ug/L, 96H
LC50, Western Mosquitofish (Gambusia affinis), adult(s), 740000 ug/L, 96H
Other Studies: Phosphate
LC50, Medaka, High-Eyes (Oryzias latipes), 590000 ug/L, 24H, Mortality

Other Studies: Surfactant CAS #9016-45-9
LC50, Bluegill (Lepomis macrochirus), 2800 ug/L, 24H
LC50, Water Flea (Daphnia magna), adults, 17000 ug/l, 48 H

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.

DOT Hazard Class:

UN/NA Number:



15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
497-19-8	Sodium carbonate	No	No	No
6834-92-0	Sodium metasilicate	No	No	No
NA	Phosphate	No	No	No
NA	Surfactant	No	No	No

CAS # Hazardous Components (Chemical Name)

Other US EPA or State Lists

497-19-8	Sodium carbonate	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
6834-92-0	Sodium metasilicate	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
NA	Phosphate	TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part

NA Surfactant

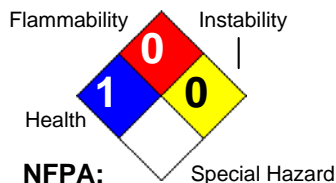
597: No; PA HSL: No
TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA
Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part
597: No; PA HSL: No

Regulatory Information: No known hazardous materials as defined by OSHA 29 CFR 1910.1200.

16. OTHER INFORMATION

Revision Date: 09/21/2014

Hazard Rating System:



Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

While Morgan-Gallacher believes the statements set forth herein are accurate as of the date hereof, Morgan-Gallacher makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.