

BECCA ENVIROWASH Clarifier

Material Safety Data Sheet



SECTION 1 – CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product Name:

BECCA ENVIROWASH Clarifier

Generic/Chemical Name:

Flocculant Material

Manufacturer Name:

BECCA Inc.

Address:

2010 Cobb Intl Blvd Suite H Kennesaw, GA 30152

Emergency Number:

1-800-255-3924 (Chem-Tel 24 hr)

Telephone Number for Information:

1-800-655-5649

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview:

WARNING!

May Form Explosive Dust-Air Mixtures. Causes Eye and Skin Irritation. May be Harmful if inhaled or Swallowed. Contains Material that can Cause Target Organ Damage

Keep away from heat, sparks, and flame. Prevent dust accumulation. DO not swallow. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Keep container closed until ready for use. Wash hands after handling.

Potential Acute Health Affects:

Inhalation:

May be harmful if inhaled. Exposure to airborne concentrations above statutory of recommended exposures limits may cause irritation to the nose, throat, and lungs.

Ingestion:

May be harmful if swallowed

Skin:

Irritating to the skin.

Eyes:

Irritating to the eyes.

Over-exposure Signs/ Symptoms:

Inhalation:

Adverse symptoms may include respiratory tract irritation and coughing

Ingestion:

No specific data

Skin:

Adverse symptoms may include irritation and redness

Eyes:

Adverse symptoms may include pain irritation watering and redness

Medical Conditions aggravated by Overexposure:

Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by overexposure to this product.

SECTION 3 – COMPOSITION/INFORMATION on INGREDIENTS

<u>Name:</u>	<u>CAS Number</u>	<u>%</u>
Bentonite	1302-78-9	30 -60
Aluminum Sulfate	100043-01-3	10 - 30
Carbon Black	1333-86-4	10 - 30
Calcium Dihydroxide	1305-62-0	5 - 10
Sodium Carboxymethyl Cellulose	N/A	5 - 10

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

SECTION 4 – FIRST AID MEASURES

If ingestion, irritation, any type of overexposure occur or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM, OR PHYSICIAN immediately; have Material Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Inhalation:

Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel

Ingestion:

If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.

Skin:

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.

Eyes:

Check for and remove contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

Notes to Physician:

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability of the product:

Fine dust clouds may form explosive mixtures with air. Runoff to sewer may create fire or explosive hazard.

Extinguishing media:

Use an extinguishing agent suitable for the surrounding fire.

Special Exposure Hazards:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Hazardous Combustion Products:

Decomposition products may include Carbon Oxides, Sulfur Oxides, and Metal Oxides

Special Protective Equipment for Fire-fighters:

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

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. DO not touch or walk through spilled material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental Precautions:

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 of the above.

Large Spill:

Move containers from spill area. Approach release from upwind. Use spark-proof tools and explosion-proof equipment. Prevent entry into sewers, water courses, basements, or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Small Spill:

Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

SECTION 7 – HANDLING AND STORAGE

Handling:

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored, and processed. Do not swallow. Do not get in eyes or on skin or clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust from coming into contact with hot surfaces, sparks or other ignition sources. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage:

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. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Result	ACGIH	OSHA	Ontario	Mexico
Aluminum sulphate	TWA	2 mg/m ³ (as Al)	Not established	2 mg/m ³	2 mg/m ³
Carbon black	TWA	3.5 mg/m ³	3.5 mg/m ³	3.5 mg/m ³	3.5 mg/m ³
	STEL	Not established	Not established	Not established	7 mg/m ³
Calcium dihydroxide	TWA	5 mg/m ³	5 mg/m ³ R 15 mg/m ³ TD	5 mg/m ³	5 mg/m ³

Key to abbreviations

A	= Acceptable Maximum Peak	S	= Potential Skin Absorption
ACGIH	= American Conference of Governmental Industrial Hygienists.	SR	= Respiratory sensitization
C	= Ceiling Limit	SS	= Skin sensitization
F	= Fume	TD	= Total dust
IPEL	= Internal Permissible Exposure Limit	TLV	= Threshold Limit Value
OSHA	= Occupational Safety and Health Administration	TWA	= Time Weighted Average
R	= Respirable	Z	= OSHA 29CFR 1910.1200 Subpart Z – Toxic and Hazardous Substances

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment

Engineering measures:

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other emergency controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures:

Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

Eyes:

Safety glasses with side shields

Hands:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Respiratory:

If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Skin:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9 –PHYSICAL and CHEMICAL PROPERTIES

Physical state	: Solid
Flash point	: Closed cup: 93.33°C (200°F)
Color	: Not available
Odor	: Not available
pH	: Not available
Boiling/condensation point	: Not available
Melting/freezing point	: Not available
Specific gravity	: 1.22
Density (lbs/gal)	: 10.18
Vapor pressure	: 0 kPa (0 mm Hg)
Vapor density	: Not available
Volatility	: 0% (v/v), 0% (w/w)
Odor threshold	: Not available
Evaporation rate	: 0 (butyl acetate = 1)
Octanol/water partition coefficient	: Not available
% Solid (w/w)	: 100

SECTION 10 – STABILITY and REACTIVITY

Stability:

Stable under recommended storage and handling conditions (see section 7)

Conditions to avoid:

No specific data

Materials to avoid:

Reactive or incompatible with the following materials: water, acids

Hazardous decomposition products:

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

Hazardous polymerization:

Under normal conditions or storage and use, hazardous polymerization will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
aluminium sulphate	LD50 Oral	Rat	1930 mg/kg	-
Carbon black	LD50 Oral	Rat	>15400 mg/kg	-
	LD50 Dermal	Rabbit	>3 g/kg	-
calcium dihydroxide	LD50 Oral	Rat	7340 mg/kg	-

Conclusion/Summary : Not available.

Chronic toxicity

Conclusion/Summary : Not available.

Target organs

: Contains material which causes damage to the following organs: lungs, eyes. Contains material which may cause damage to the following organs: mucous membranes, upper respiratory tract, skin.

Carcinogenicity

Conclusion/Summary : Not available.

Carcinogenicity

: Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
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Carbon black	A4	2B	-	+	-	-
<u>Mutagenicity</u>						
Conclusion/Summary	: Not available.					
Mutagenicity	: No known significant effects or critical hazards.					
<u>Teratogenicity</u>						
Conclusion/Summary	: Not available.					
Teratogenicity	: No known significant effects or critical hazards.					
<u>Reproductive toxicity</u>						
Conclusion/Summary	: Not available.					
Developmental effects	: No known significant effects or critical hazards.					
Fertility effects	: No known significant effects or critical hazards.					

SECTION 12 – ECOLOGICAL INFORMATION

Bentonite	Accute LC50 19000000 ug/L Fresh water	Fish – Rainbow trout, Donaldson trout – Oncorhynchus mykiss	96 hours
Aluminum sulphate	Acute LC50 4.4 to 5.6 mg/L Fresh water	Fish – Fathead minnow – Pimephales promelas	96 hours
	Acute IC50 3200 ug/L Fresh water	Daphnia – Water flea – Daphnia magna	48 hours
Calcuim dihydroxide	Acute LC50 356 mg/L Marine water	Fish – Guppy – Poecilia reticulata	96 hours
	Chronic NOEC 56 mg/L Marine water	Fish – Guppy – Poecilia reticulata	96 hours
Sodium Carboxymethyl Cellulose	Not Available	Not Available	

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. The material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

SECTION 14 – TRANSPORTATION INFORMATION

Regulation	UN number	Proper shipping name	Classes	PG*	Additional Information
UN	None	Not regulated	None	-	-
IMDG	None	Not regulated	None	-	-
DOT	None	Not regulated	None	-	-

PG*: Packing Group

Reportable quantity RQ : CERCLA: Hazardous substances: aluminum sulphate: 5000 lbs (2270 kg)

SECTION 15 – REGULATORY INFORMATION

United States Inventory (TSCA 8b)	: All components are listed or exempted
Australia Inventory (AICS)	: All components are listed or exempted
Canada Inventory	: All components are listed or exempted
China Inventory (IECSC)	: All components are listed or exempted
Europe Inventory	: All components are listed or exempted
Japan Inventory (ENCS)	: All components are listed or exempted
Korea Inventory (KECI)	: All components are listed or exempted
New Zealand	: Not determined
Philippines Inventory (PICCS)	: All components are listed or exempted

United States

US Federal regulations	: TSCA 12(b) annual export notification: No products were found TSCA 12(b) one-time export: No products were found SARA 302/304/311/312 extremely hazardous substances: No products were found SARA 302/304 emergency planning and notification: No products were found SARA 302/304/311/312 hazardous chemicals: calcium dihydroxide; Carbon black; aluminum sulphate SARA 311/312 MSDS distribution – chemical inventory – hazard identification: calcium dihydroxide: Immediate (acute) health hazard, Delayed (chronic) health hazard; Carbon black: Immediate (acute) health hazard, delayed (chronic) health hazard; aluminum sulphate: Immediate (acute) health hazard, Delayed (chronic) health hazard CERCLA: Hazardous substances: aluminum sulphate: 5000 lbs (2270 kg)
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California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

Canada

WHMIS (Canada)	: Class D-2A: Material causing other toxic effects (Very toxic). Class D-2B: Material causing other toxic effects (Toxic).
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Mexico

Classification

Flammability : 2 Health : 3 Reactivity : 0

SECTION 16 – OTHER INFORMATION

Hazardous Material Information System (U.S.A.)

Health : 3 * Flammability : 2 Physical hazards : 0
(*) – Chronic effects

National Fire Protection Association (U.S.A.)

Health : 3 Flammability : 2 Instability : 0

The information contained herein is to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, BECCA Inc makes no guarantee for results obtained, and assumes no responsibility for damage incurred by use of this product. It is the responsibility of the user to comply with all federal, state, and local laws and regulations.