

THE SOLUTION IS THE CORPS, **BIOCORPS**



SDS SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name	mPale
Product Code #	mPACTmPALE
CAS #	N/A
Manufacturer	mPact Environmental
Synonym	None
Chemical Name	mPale
Chemical Formula	N/A
Trade Secret	Yes
Date Revised	04/04/2020
Address	PO Box 277 Fountain Inn, SC 29644
Phone	Local: (864)862-5553
Emergency Contact International	CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300 CHEMTREC, call: 1-800-255-3924 NRC 1-800-424-8802 National Response Center (Coast Guard) Military 1-703-697-0218 Incidents involving explosives & ammunition D.O.D. 1-800-851-8061 Incidents of dangerous goods other than above
Recommended Use	N/A
Restrictions on Use	N/A

SECTION 2: HAZARD(S) IDENTIFICATION

Classifications:	Eye Damage: Category 2B Aquatic Hazard – Acute: Category 3
Pictograms:	N/A
Signal word:	Warning
Hazard Statements:	H320: Causes eye irritation. H402: Harmful to aquatic life.

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Precautionary Statements:

PREVENTION:

P264: Wash hands thoroughly after handling.

P305+P351+P338:

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313:

If eye irritation persists: Get medical advice/attention.

P273: Avoid release to the environment.

DISPOSAL:

P501: Dispose of contents/container to Section 13.

Percent of the mixture
consisting of ingredient(s)
of unknown toxicity: Not Known

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Designation

3 (trihydroxysilyl) propyldimethyl
octadecyl ammonium chloride

% of Comp.

< 3.0%

CAS No.

27668-52-6

SECTION 4: FIRST AID MEASURES

Eyes: Flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.

Skin: Immediately remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.

Irritation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration using a pocket mask type resuscitator. Call a physician immediately.

Ingestion: May cause irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting, and diarrhea. If swallowed, do not induce vomiting and seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Fire Hazard: No

Flash Point F(C): N/A

Flammable Limits: The greatest known range is LOWER: N/A UPPER: N/A

Extinguishing Media: Water Mist Foam Dry Powder CO2

Special protective Equipment and firefighting procedures: Use self-contained breathing apparatus (SCBA). Personal protection clothing should be worn by fire fighters involved in chemical fires.

Unusual Fire & Explosion: None noted.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal

Precautions:

Avoid any uncontrolled release of material.

Spills / Leaks:

Where spills are possible, a comprehensive spill response plan should be developed and implemented. Utilize recommended protective clothing and equipment.

SECTION 7: FIRST AID MEASURES

Handling:

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and prompt removal of material from eyes skin and clothing.

Storage:

Immediately remove contaminated clothing and shoes. Wash off immediately with Store in a sealed container in a cool, dry environment.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

OSHA Permissible

Exposure Limits (PELs) :

Not established

Threshold Limit Values (TLVs):

Not established

Engineering Controls:

N/A

Personal Protective Equipment:

Face: N/A

Eyes: Safety Glasses

Skin: Gloves

Respiratory: N/A

Pictograms:



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid	Upper Flammability/Explosive Limit:	N/A
Odor:	Mild	Lower Flammability/Explosive Limit:	N/A
Odor Threshold:	N/A	Vapor Pressure:	N/A
pH:	4 - 6	Vapor Density:	N/A
Melting Point F(C):	N/A	Vapor Temperature:	N/A
Freezing Point F(C):	N/A	Relative Density/Specific Gravity:	1.000
Boiling Point F(C):	N/A	Solubility:	Water Soluble
Boiling Range:	N/A	Partition Coefficient:	N/A
Flash Point F(C):	>200oF	Auto-ignition temperature:	N/A
Flash Point		Decomposition temperature:	N/A
Method used:	ASTM D93	Viscosity:	N/A
Evaporation Rate:	N/A	VOC Content:	N/A
Flammability:	Undetermined	VOC Less Water & Exempts:	N/A

SECTION 10: STABILITY AND REACTIVITY

Chemical Reactivity:	N/A
Chemical Stability:	Stable under normal ambient temperature and conditions.
Conditions to Avoid:	Anionic surfactants
Materials to Avoid:	Strong oxidizers and anionic material
Hazardous Decomposition:	Oxides of carbon and nitrogen

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation

Description of effects from short- and long-term exposure:

Adverse effects are not expected when this product is used in open areas.

In the event a person had an existing sensitivity to products such as this, avoid using the product in enclosed areas where vapors may gather. If breathing becomes difficult or painful consult a doctor.

Description of symptoms:

Prolonged or excessive inhalation may cause respiratory tract irritation.

Measure of toxicity:

Not known

Ingestion

Description of effects from short- and long-term exposure:

Immediately consult a physician or poison control center.

Follow the instructions given to you by the physician or poison control center.

Description of symptoms:

May cause nausea and vomiting.

Measure of toxicity:

Not known

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Eyes

Description of effects from short- and long-term exposure:

If irritation should develop, flush eyes with water. If irritation persists, consult a doctor.

Description of symptoms:

Contact may cause eye irritation.

Measure of toxicity:

Not known

Skin

Description of effects from short- and long-term exposure:

This material should not cause irritation. In people with an existing sensitivity to such products, a reddening of the skin may occur. If irritation persists, consult a doctor.

Description of symptoms:

Not expected to present a hazard in normal industrial use.

Measure of toxicity:

Not known

Carcinogens listing:

NTP No

IARC: No

OSHA: No

GSA: No

Chronic Toxicity: No

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity:

This product contains pesticides that are toxic to aquatic life. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless with accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit. Do not discharge effluent to sewer systems without notifying the local sewage treatment plant authority.

Inactivation of solutions containing this product may be accomplished by the addition of anionic surfactant in a quantity equivalent the percent active ingredients.

Biodegradability:

Readily biodegradable

Bioaccumulation:

Unlikely

SECTION 13: DISPOSAL CONSIDERATION

Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations. Regulations may vary by location.

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SECTION 14: TRANSPORT INFORMATION

Not regulated in transportation by DOT/IMO/IATA. Not classified as dangerous in the meaning of transport regulation.

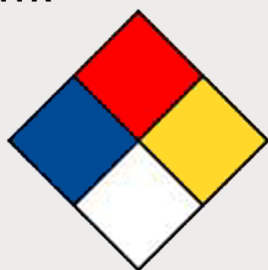
Pictograms: N/A

SECTION 15: REGULATORY INFORMATION

OSHA Regulated Hazard:	No
DOT Regulated:	No
E C Classification:	Non-applicable
TSCA Status:	In compliance with TSCA inventory requirements for commercial purposes
EPA Registration Number:	83129-1
California Prop. 65:	None Known
PA Right to know Chemical(s):	None Known
NJ Right to know Chemical(s):	None Known
Additional State Regulations:	None Known
Canada:	Non-applicable

SECTION 16: REGULATORY INFORMATION

NFPA



HMIS

mPERIAL	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

The above Information is based on the present state of our knowledge of the product at the time of publication. No warranty is implied with respect to the quality or the specification of the product and the user must satisfy himself that the product is entirely suitable for his purposes.

DISCLAIMER :

This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Other to be dependable and is accurate to the best of the company's knowledge. The information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. Other assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

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