

Safety Data Sheet

Issue Date: 14-Feb-2001

Revision Date: 22-Aug-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Enlighten

Other means of identification

SDS # KWC-001

UN/ID No UN3378

Recommended use of the chemical and restrictions on use

Recommended Use Wetcleaning spotter.

Details of the supplier of the safety data sheet

Supplier Address

Kleerwite Chemical
P.O. Box 32063
Henrico, VA 23294

Emergency Telephone Number

Company Phone Number Phone: 877-553-3794

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance White powder

Physical State Powder

Odor Odorless

Classification

Acute toxicity - Oral	Category 4
Oxidizing Solids	Category 2

Signal Word

Danger

Hazard Statements

Harmful if swallowed

May intensify fire; oxidizer



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Keep/Store away from clothing/heat/combustible materials

Wear protective gloves/protective clothing/eye protection/face protection

Take any precaution to avoid mixing with combustibles

Precautionary Statements - Response

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

IN CASE OF FIRE: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Toxic to aquatic life with long lasting effects

Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Trade Secret	Proprietary	>75
Trade Secret	Proprietary	<10

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
Skin Contact	Flush with water. Take off contaminated clothing.
Inhalation	Remove to fresh air. Seek medical attention if irritation persists.
Ingestion	Rinse mouth. Give several glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

Most important symptoms and effects

Symptoms	Irritating to mucous membranes, eyes, and skin.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam. Carbon dioxide (CO₂). Water spray (fog). BC/ABC extinguisher may be used in area where material is stored.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Oxygen released on exothermic decomposition may support combustion.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal Precautions** Use personal protective equipment as required.
- Environmental Precautions** See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

- Methods for Containment** Prevent further leakage or spillage if safe to do so.
- Methods for Clean-Up** Material is a solid and may be swept up. Flush spill area with water.

7. HANDLING AND STORAGE

Precautions for safe handling

- Advice on Safe Handling** Do not get in eyes, on skin, or on clothing. Do NOT take internally. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Take any precaution to avoid mixing with combustibles. Keep/Store away from clothing/heat/combustible materials. Use personal protection recommended in Section 8. Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

Conditions for safe storage, including any incompatibilities

- Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.
- Incompatible Materials** Strong acids. Reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure Guidelines** No exposure limits noted for ingredient(s)

Appropriate engineering controls

- Engineering Controls** Ventilation systems.

Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Avoid contact with eyes.
- Skin and Body Protection** For prolonged or repeated skin contact use suitable protective gloves.
- Respiratory Protection** No protective equipment is needed under normal use conditions.
- General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Powder	Odor	Odorless
Appearance	White powder	Odor Threshold	Not determined
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	10.5	(1% solution)
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Decomposes	
Flash Point	Not applicable	
Evaporation Rate	Slower than ether	
Flammability (Solid, Gas)	Not flammable	
Upper Flammability Limits	Not flammable	
Lower Flammability Limit	Not flammable	
Vapor Pressure	Not applicable	
Vapor Density	Not applicable	
Specific Gravity	1.729	(1=Water)
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Density	14.4 lb/gal	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Strong acids. Reducing agents.

Hazardous Decomposition Products

Oxygen.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	Prolonged contact may cause redness and irritation.
Inhalation	Avoid inhalation of dust.
Ingestion	Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Trade Secret	= 1034 mg/kg (Rat)	-	-
Trade Secret	= 4090 mg/kg (Rat)	-	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Trade Secret	70: 240 h Chlorella emersonii mg/L EC50	70.7: 96 h Pimephales promelas mg/L LC50 static		4.9: 48 h Daphnia pulex mg/L EC50
Trade Secret	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static		265: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Trade Secret	Ignitable
Trade Secret	Corrosive

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No	UN3378
Proper Shipping Name	Sodium carbonate peroxyhydrate
Hazard Class	5.1
Packing Group	II

IATA

UN/ID No	UN3378
Proper Shipping Name	Sodium carbonate peroxyhydrate
Hazard Class	5.1
Packing Group	II

IMDG

UN/ID No	UN3378
Proper Shipping Name	Sodium carbonate peroxyhydrate
Hazard Class	5.1
Packing Group	II

15. REGULATORY INFORMATION

International Inventories

Not determined

US Federal Regulations

SARA 313

Not determined

US State Regulations

U.S. State Right-to-Know Regulations

Not determined

16. OTHER INFORMATION

NEPA	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
HMIS	Health Hazards 2	Flammability 0	Physical Hazards 1	Personal Protection E

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet