

RADIANCE LAUNDRY CONCENTRATE

Revision 01/30/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Recommended use
Distributed by

RADIANCE LAUNDRY CONCENTRATE

Laundry Detergent
EcoChem Products, LLC
P.O. Box 449
Salt Lake City, UT 84110
(800) 411-1455
InfoTrac (800) 535-5053

Emergency Contact # (24 Hour)

2. HAZARDOUS IDENTIFICATION

Classification of the substance or mixture

Serious Eye damage/eye irritation: Category 2

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazard Statements

H319 – Causes serious eye irritation

GHS label elements, including precautionary statements



Signal Word: Warning

Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Substance(s) Description</u>	<u>CAS#</u>	<u>Percentage</u>	<u>Trade Secret</u>
Sodium Carbonate	497-19-8	10 - 30	
Sodium Chloride	7647-14-5		*
Sodium Silicate	1344-09-8		*
Alkylbenzene Sulfonic Acid	68584-22-5		*
Sodium Polyacrylate	9000-04-1		*
Proprietary Surfactant Blend	N/A		*

** The exact percentage (Concentration) of composition has been withheld as a trade secret*

4. FIRST AID MEASURES

Inhalation First Aid

Inhalation is unlikely; however, if it does occur, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Seek medical attention.

Skin Contact First Aid

Wash off with water. If irritation persists, seek medical attention.

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Eye Contact First Aid

Immediately flush with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of entire eye surface. Seek medical attention.

Ingestion First Aid

If swallowed, do not induce vomiting. Give large quantities of water. Seek medical attention.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Hazards from mixture

Not flammable in normal circumstances; however, under fire conditions it may decompose to give off toxic gases such as carbon dioxide, carbon monoxide, and various hydrocarbons.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary/available.

Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid breathing vapors, mist or gas.

Protective equipment and emergency procedures

For personal protection see Section 8.

Environmental precautions

Avoid large concentrations of product in a confined area.

Materials for containment and clean up

Broom and a dustpan or shovel

Methods for cleanup containment

Clean up spills by sweeping up or shoveling up material. Then flush spill area with water.

Reference to other sections

See Section 13 for disposal procedures

7. HANDLING AND STORAGE

Precautions for safe handling

Wear protective equipment when handling this product to avoid eye and skin contact. Wash thoroughly after handling.

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Conditions for safe storage, including any incompatibilities

Storage containers should be stored in a cool, dry and well-ventilated area away from strong oxidizing agents.

Specific end use(s)

Apart from the uses stated in Section 1, no other specific uses are stipulated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE)

Respiratory Protection

Dust mask if dust is excessive.

Skin Protection

Gloves should be worn when excessive skin contact cannot be avoided.

Eye Protection

Eye protection is recommended in all industrial work places.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: Granules **Color:** White

Odor

Citrus

Odor Threshold

No data available

pH

No data available

Melting/Freezing point

Melting point/range: 801° C (1,474° F)

Initial boiling point

No data available

Flash point

Greater than 212.0 F (100.0 C)

Evaporation rate

No data available

Flammability (solid, gas)

No data available

Explosive limits

No data available

Vapor pressure

No data available

Vapor density

No data available

Relative density

1.1 g/cm³

Water solubility

About 15%

Partition coefficient n-octanol/water

No data available

Auto-ignition temperature

Greater than 302.0 F (150.0 C)

Decomposition temperature

No data available

Viscosity

No data available

Explosive properties

No data available

Oxidizing properties

No data available

10. STABILITY AND REACTIVITY

Reactivity

No data available

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Chemical stability

Possibility of hazardous reactions

Conditions to avoid

Incompatible materials

Hazardous decomposition products

Stable

Hazardous polymerization will not occur

Exposure to high temperatures

Strong oxidizing agents

Decomposition produces toxic oxides of carbon and hydrocarbons. In the event of fire: see Section 5

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Although no specific exposure limit has been established for this product OSHA and ACGIH have established limits for nuisance dust:

OSHA PEL/TWA Total 15 MG/M3; Respirable 5 MG/M3; 8-Hour

TWA ACGIH TLV/TWA Total 10 MG/M3; 8 Hour TWA

Eye Contact

Painful inflammation/reversible damage with prompt first aid.

Inhalation

Nuisance dust can be irritating to nose, throat and lungs

Skin Contact

Prolonged continual exposure can be irritating.

Ingestion

Ingestion may cause gastrointestinal irritation.

Chronic

No evidence of adverse effects from available data.

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish

LC50 - Lepomis macrochirus (Bluegill) - 5,840 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

NOEC - Daphnia - 1,500 mg/l - 7 d

LC50 - Daphnia magna (Water flea) - 1,661 mg/l - 48 h

Bioaccumulative potential

No data available

Persistence and degradability

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Product

This product and/or its components are found in many consumer food, drug, and cosmetic items. Release to sanitary sewer in small amounts is inherent with these end uses. No disposal method should be used which would pose an environmental or human health threat including, but not limited to possible contamination of ground or surface waters.

Contaminated packaging

Containers of this material may be hazardous when emptied since emptied containers retain product



SAFETY DATA SHEET

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residues (vapor, liquid, and/or solid). Dispose of as Product.

14. TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

15. REGULATORY INFORMATION

OSHA Category	Not regulated
SARA 313 Supplier Notification	Not reportable

All Ingredients are Listed on the TSCA Inventory

16. OTHER INFORMATION

Special Precautions or Other Comments: The information accumulated herein is believed to be accurate but is not warranted to be regardless of whom it originates with. All hazard precautions given in the data sheet must be observed. Recipients are advised to confirm prior to need that the information is current, applicable, and suitable to their circumstances.