



MATERIAL SAFETY DATA SHEET

DATE PREPARED: May 24, 2011

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Identity

Radiance Laundry Concentrate

Distributor's Name

EcoChem Products, LLC

PO Box 449

Salt Lake City, UT 84110

(800) 411-1455

Emergency 24 Hour Number (800) 535-5053

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Description

Sodium Carbonate

Sodium Chloride

Sodium Silicate

Nonylphenol Ethoxylate

Alkylbenzene Sulfonic Acid

Sodium Polyacrylate

Proprietary Surfactant Blend

CAS#

497-19-8

7647-14-5

1344-09-8

009016-45-9

68584-22-5

9000-04-1

N/A

HAZARD RATINGS: **HEALTH 2 - MODERATE**
 REACTIVITY 0 - MINIMAL

FIRE 0 - MINIMAL
SPECIAL - NONE

SECTION 3. HAZARDS IDENTIFICATION

Appearance and Odor: White free flowing granular powder with citrus odor.

Statement of Hazards: Contact may cause eye and skin irritation.

Fire and Explosion Hazards: 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.

Primary Route of Exposure: Skin and eye contact are the primary routes of exposure to this product.

Skin Contact – Acute: Skin contact may cause mild irritation.

Eye Contact – Acute: Eye contact can cause irritation.

Inhalation – Acute: This product is not likely to present an inhalation hazard at normal temperatures; however, this product can be stirred up to an irritating dust and at elevated temperatures vapors, mists or fumes can cause irritation to the respiratory tract. Inhalation can cause irritation of mucous membranes.

Ingestion – Acute: Ingestion can cause gastrointestinal irritation.

SECTION 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.

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.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point

Greater than 212.0 F 100.0 C

Flash Method

Pensky-Marten's Closed Cup

Auto Ignition Temperature

Greater than 302.0 F 150.0 C

Upper Explosion Limit

N/D

Lower Explosion Limit

N/d

Extinguishing Media: Regular foam, dry chemical or carbon dioxide. Direct application of high pressure water streams may scatter burning material.

Fire Fighting Procedure: As in any fire, prevent human exposure to fire, smoke, fumes, or products of combustion. Evacuate non-essential personnel from the fire area. Firefighters should wear positive pressure/pressure demand, self-contained breathing apparatus and impervious protective clothing. If possible, remove containers from the fire area. Keep fire exposed containers cool with a water fog or spray to prevent excessive heat. High pressure water may spread product from broken containers increasing contamination or fire hazard.

Fire and Explosion Hazard: This product is not defined as flammable or combustible; however, under fire conditions it may support combustion and produce toxic oxides of carbon and various hydrocarbons.

Other Fire and Explosion Hazards: No other fire or explosion hazards of this product are known.

NFPA Health Rating

2

NFPA Flammability Rating

0

NFPA Reactivity Rating

0

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

SECTION 7. HANDLING AND STORAGE

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

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

MAXIMUM STORAGE TEMPERATURE

120.0 F 49.0 C

See General Comments

General Comments: Keep containers tightly closed until ready for use. The stated maximum storage temperature is for quality purposes only. Temperatures exceeding 120 F may cause color degradation, and an overall decrease in product quality.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

For exposure limits see section 11.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range	N/D	Vapor Density (Air = 1.0)	N/D
Density	1.1 g/cm ³	Percent Volatile Matter	N/D
Evaporation Rate	N/D	Solubility In Water	About 15%
Appearance	White Granular	Odor	Citrus
pH	N/D		

SECTION 10. STABILITY AND REACTIVITY

Stability	Stable
Conditions To Avoid	Exposure to high temperatures
Incompatibility	Strong oxidizing agents
Decomposition	Toxic oxides of carbon and hydrocarbons
Polymerization	Hazardous polymerization will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

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 dusts 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 information.

SECTION 12. ECOLOGICAL INFORMATION

This product is thought to be biodegradable under most definitions of the term.

SECTION 13. DISPOSAL CONSIDERATIONS

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, including but not limited to possible contamination of ground or surface waters.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated.

SECTION 15. REGULATORY INFORMATION

OSHA Category: Not Regulated.

SARA 313 Supplier Notifications: Not Reportable.

All Ingredients are Listed on the TSCA Inventory

SECTION 16. OTHER INFORMATION

Special Precautions or Other Comments: Containers of this material may be hazardous when emptied since emptied containers retain product residues (vapor, liquid, and/or solid). All hazard precautions given in the data sheet must be observed.

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. Recipients are advised to confirm prior to need that the information is current, applicable, and suitable to their circumstances.