

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Laundry Sour  
Product Number: 9815

Manufacturer: Arcot Manufacturing Corporation, 2950 Mowery Road, Houston, Texas, U.S.A. 77045  
Arcot Customer Service Telephone: 713-413-9700  
Website: [www.ArcotManufacturing.com](http://www.ArcotManufacturing.com)

Recommended Use: Laundry Sour & Brightener  
Restrictions On Use: Do not use on sensitive or untested fabric or surfaces.

## 2. HAZARDS IDENTIFICATION

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Skin corrosion/irritation – Category 3  
Eye damage/irritation – Category 2A  
Specific Target Organ Toxicity (Single Exposure) – Category 3

GHS Label elements:

Signal Word: **WARNING**

Pictogram



Hazard Statements:

H316: Causes mild skin irritation.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.

Precautionary statements:

Prevention:

P102: Keep out of reach of children.  
P232: Protect from moisture.  
P233: Keep container tightly closed.  
P234: Keep only in original container.  
P235: Keep cool.  
P261: Avoid breathing dust.

- P262: Do not get in eyes, on skin, or on clothing.
- P264: Wash skin thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear protective gloves, eye protection and face protection.

Response:

- P305 + P351 + P338 + P337 + P313: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- P301 + P330 + P331 + P314: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention if you feel unwell.
- P303 + P353 + P361 + P364 + P332 + P313: IF ON SKIN (or hair): Rinse skin with water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention.
- P304 + P340 + P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
- P315: If any irritation persists, get immediate medical attention.
- P370: In case of fire: Use water spray, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>) or dry chemical to extinguish.

Storage:

- P402: Store in a dry place.
- P403: Store in a well-ventilated place.
- P410: Protect from sunlight.
- P411: Store at temperatures not exceeding 90°F.
- P420: Store away from other chemicals.

Disposal:

- P501: Dispose of contents and container to an approved waste disposal plant in accordance with applicable local, state, federal and international regulations.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS #	Concentration
Sodium carbonate	497-19-8	proprietary
Other ingredients are nonhazardous and/or considered trade secrets. However, all hazardous aspects of the ingredients and of this mixture are considered and included. The exact percentage of composition has been withheld as a trade secret. This SDS is used for a group of substantially similar mixtures.		

### **4. FIRST-AID MEASURES**

General advice: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Administer oxygen if breathing is difficult. Consult a physician.

Skin contact: Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

Eye contact: Do not rub eyes. Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed: Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Dusts may irritate the respiratory tract, skin and eyes.

Indication of any immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## **5. FIRE-FIGHTING MEASURES**

Specific hazards that may develop from this product during fire: Hazardous decomposition and byproducts may include carbon oxides (such as carbon monoxide and carbon dioxide) and other unknown substances that may be toxic or irritating.

Suitable extinguishing media: Use water fog, alcohol-resistant foam, dry chemical or carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use water spray to cool unopened containers.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards: Slight fire hazard when exposed to heat or flame. Finely divided dusts can form explosive mixture in air. Avoid creating dust and dust clouds.

## **6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fumes at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

Methods and materials for containment and cleaning up: Stop the flow of material, if this is without risk. Contain the discharged material. If sweeping of a contaminated area or spilled material is necessary, use a dust suppressant agent which does not react with product.

Large spills: Stop and contain the spill if this is without risk. If still in powder form, shovel up or sweep up spilled material and place into HDPE containers for disposal. Avoid the generation of dusts during clean-up. If product has mixed with water, completely contain spilled material with dikes, sandbags, etc., where this is possible. Spilled material may be removed with a vacuum truck. Remaining material may be diluted with water and neutralized with lime (calcium oxide), then absorbed and collected. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Following product recovery, flush area with water.

Small spills: Shovel up or sweep up. Clean surface thoroughly to remove residual contamination. Keep in suitable, closed containers for disposal.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

## **7. HANDLING AND STORAGE**

Precautions for safe handling: See Sections 2 and 8. Read the SDS and label carefully and completely before handling this product. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Do not get in eyes, on skin or on clothing. Do not taste or swallow. Do not inhale or breathe dust. Use only with adequate ventilation. Wear appropriate personal protective equipment. Transfer and storage systems should be compatible. Observe good hygiene practices. Do not eat, drink or smoke where the product is being used. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities: Store in original tightly closed container, in a dry, well-ventilated place away from other chemicals and incompatible materials and at temperatures not exceeding 90°F. Protect from sunlight. (See Section 10 of the SDS).

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Occupational exposure limits: No exposure limits have been established.

Biological limit values: No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Provide eyewash station.

Individual protection measures, such as personal protective equipment: An industrial hygienist or safety officer familiar with the specific situation of anticipated use by the end-users should evaluate and recommend protective equipment.

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin protection:** Handle with impermeable gloves. Nitrile rubber, butyl rubber, natural rubber, neoprene, polyethylene or PVC are recommended. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body protection:** Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the product at the specific workplace.

**Respiratory protection:** Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust or fumes at levels exceeding the exposure limits. For nuisance exposures, use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection, use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges.

**Thermal hazards:** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Control of environmental exposure: Do not let product enter drains.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### Appearance

Physical state	Solid
Form	Powder
Color	White or Blue
Odor	Odorless
Odor threshold	No data available
pH	approximately 3 (1% solution) at 25°C (77°F)
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper flammability limit	No data available
Lower flammability limit	No data available
Vapor pressure	Not applicable
Vapor density	Not applicable
Relative density	approximately 1.2
Water solubility	Highly soluble
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available

Decomposition temperature	No data available
Viscosity	Not applicable
Explosive properties	No data available
Oxidizing properties	No data available
Density	approximately 10 Lb. /Gal.
Specific gravity	approximately 1.2

Other safety information: No data available

## **10. STABILITY AND REACTIVITY**

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Contact with incompatible materials. Heat. Moisture.

Incompatible materials: Strong oxidizing agents, bases, reducing agents and nitrates. In solution, brass, copper, zinc, aluminum and their alloys, lead, cast iron and steel (not stainless steel).

Hazardous decomposition products: No data available. In the event of fire: see section 5.

## **11. TOXICOLOGICAL INFORMATION**

### **Information on likely routes of exposure:**

Inhalation: Dust may irritate respiratory system.

Skin contact: Dust or powder may irritate the skin.

Eye contact: Causes serious eye irritation.

Ingestion: Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics: Severe eye irritation. Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects: No data available. The product is not considered to be toxic.

Respiratory or skin sensitization: Product is not considered to be either a respiratory or a skin sensitizer. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not classified as a carcinogen by NTP, IARC, ACGIH or OSHA. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP, IARC, ACGIH or OSHA.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity – single exposure: Dust may irritate respiratory system.

Specific target organ toxicity – repeated exposure: Not classified.

Aspiration hazard: Not an aspiration hazard.

Additional Information: Vomiting, diarrhea, damage to tooth enamel, dermatitis.

## **12. ECOLOGICAL INFORMATION**

Ecotoxicity: No data available. Product is considered to be of low ecological hazard with normal use.

Biodegradability: The organic ingredients of this product are biodegradable. Inorganic material are not subject to biodegradation.

Persistence: No data available. Most ingredients are naturally occurring chemicals.

Bioaccumulative potential: No data available. Food chain concentration potential is very low.

Mobility in soil: No data available

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## **13. DISPOSAL CONSIDERATIONS**

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local, regional, national, and international regulations.

Local disposal regulations: Dispose in accordance with all applicable regulations.

Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Wastes should be tested prior to disposal to determine classification.

Waste from residues/unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## **14. TRANSPORT INFORMATION**

**DOT (U.S.):** Not considered a hazardous material by DOT. Not regulated.

**IATA:** Not considered dangerous goods. Not regulated.  
Packaged only for ground transportation. Do not transport by air.

**IMDG:** Not considered dangerous goods. Not regulated

## **15. REGULATORY INFORMATION**

### **U.S. Federal Regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** Not regulated

**CERCLA Hazardous Substance List (40 CFR 302.4):** Not listed

**SARA 304 Emergency release notification:** Not regulated

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** Not listed

### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

Hazard categories:	Immediate Hazard	Yes
	Delayed Hazard	No
	Fire Hazard	No
	Pressure Hazard	No
	Reactivity Hazard	No

**SARA 302 Extremely hazardous substance:** Not listed.

**SARA 311/312 Hazardous chemical:** Acute (Immediate) Health Hazard.

**SARA 313 (TRI reporting):** Not regulated

### **Other Federal Regulations:**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** Not regulated

**Safe Drinking Water Act (SDWA):** Not regulated

### **U.S. State Regulations**

**U.S. California Controlled Substances - CA Department of Justice  
(California Health and Safety Code Section 11100):** Not listed

**U.S. Massachusetts RTK – Substance List:** Not regulated

**U.S. New Jersey Worker and Community Right-to-Know Act:** Not listed

**U.S. Pennsylvania Worker and Community Right-to-Know Act:** Not listed



**U.S. Rhode Island RTK:** Not regulated

**U.S. California Prop. 65 Components:** California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## **16. OTHER INFORMATION**

HMIS & NFPA Ratings: Health = 2 Flammability = 0 Physical Hazard/Instability = 0

*HMIS & NFPA ratings involve data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.*

### **Abbreviations:**

ACGIH = American Conference of Governmental Industrial Hygienists

CAS = Chemical Abstract Service

GHS = Globally Harmonized System

HCS = Hazard Communication Standard

N.A. = Not Available or Not Applicable

NIOSH = National Institute for Occupational Safety & Health

PEL = Permissible Exposure Limit

RTECS = Registry of Toxic Effects of Chemical Substances

STEL = Short Term Exposure Limit

TLV = Threshold Limit Values

TWA = Time Weighted Average limit or ceilings (C) (exposure limit)

**DISCLAIMER:** The information contained herein is based upon data obtained from sources believed to be reliable and reflects our best professional judgment. Since it is impossible to anticipate all of the conditions under which our products may be used, we do not guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product for his or her particular purpose and should comply with all federal, state and local regulations. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. We shall not be held liable for any damage resulting from handling or from contact with the above product or from improper use of our products. We do not provide any warranties, expressed or implied, and do not assume any responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration, and investigation. You should satisfy yourself that you have all current data relevant to your particular use. We update SDS and labels on a regular basis. Please do not hesitate to contact us for current information.

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