

Section 1 – Product & Company Identification

Product Name: Arrow Brite Liquid Laundry Detergent
 Product ID Number: 476
 Product Use: Laundry Detergent
 Manufacturer:

Arrow Chemical Products, Inc.
 2067 Ste. Anne
 Detroit, MI 48216
 313-237-0277
 24 hr. Emergency Assistance: Infotrac 1-800-535-5053



DfE Approved GREEN Product.
 (EPA's Design for the Environment)

Section 2 – Composition/Information on Ingredients

<u>INGREDIENT</u>	<u>CAS #</u>	<u>% by Weight</u>	<u>Exposure Limits</u>	<u>LC₅₀/LD₅₀</u>
Sulfonated Ester	149458-07-1	<30%	Not established	Not established
The balance of ingredients: Proprietary.				

Section 3 – Hazards Identification

Emergency Overview: May cause eye and skin irritation.
 Potential Health Effects:
 Skin: Overexposure will cause skin irritation.
 Eyes: Irritant.
 Inhalation: Inhalation of vapors or mist may be irritating to the respiratory system.
 Ingestion: May be harmful if swallowed.

Section 4 – First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.
 Skin: Flush with large amounts of water. Get medical attention if irritation develops or persists. Take off contaminated clothing. Wash clothing separately before reuse.
 Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air.
 Ingestion: Seek immediate medical attention. Do not induce vomiting unless told to do so by physician.

Section 5 – Fire Fighting Measures

Extinguishing Media: Dry chemical, foam, water fog.
 Fire Fighting Equipment & Instructions: Firefighters should wear full protective clothing including self-contained breathing apparatus.

Section 6 – Accidental Release Measures

Spill and Leak Procedures
 Emergency Action: Isolate spill or leak area immediately. Keep unauthorized personnel away.
 Spill Cleanup: Stop leak if you can do so without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Section 7 – Handling & Storage

Handling Procedures: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash thoroughly after using with soap and water.
 Storage Procedures: Keep container tightly closed and in a cool, well-ventilated place. Avoid freezing or excessive heat.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls: Provide adequate local exhaust ventilation.
 Personal Protective Equipment:
 Eyes/Face: Wear chemical goggles. Use a face shield if splashing is possible.
 Skin: Use rubber or neoprene gloves. Wear suitable protective clothing.
 Respiratory: Not necessary unless exposure limits are exceeded, then use a NIOSH/MSNA approved respirator.
 General: Eye wash fountain and emergency showers are recommended.

The following ingredients have established exposure guidelines:

<u>INGREDIENT</u>	<u>EXPOSURE GUIDELINE</u>	<u>GUIDELINE VALUE</u>
None		

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

Section 9 – Physical & Chemical Properties

Flash Point: >212° F.
 Specific Gravity: 1.01
 Percent Volatiles: Not determined.
 RVOC Content: 0%
 Viscosity: 300 cps @ 25° C.
 Evaporation Rate: Not determined.
 pH: 6.5 – 7.5
 Freeze Point: 18° F.
 Appearance and Odor: Blue colored liquid, pleasant odor.

Section 10: Stability & Reactivity

Chemical Stability: Stable
 Incompatibilities: Strong oxidizing agents.
 Hazardous Decomposition Products: May yield sulfur dioxide and oxides of sulfur.
 Hazardous Polymerization: Will not occur.

Section 11 – Toxicological Information

Carcinogenicity: No Carcinogenicity data available for this product. Mutagenicity: Not a mutagenic in AMES test.

CHEMICAL INGREDIENTS LISTED AS POTENTIAL OR KNOWN CARCINOGENS

<u>INGREDIENT</u>	<u>OSHA</u>	<u>NTP</u>	<u>IARC</u>
No ingredients listed in this section.			

Section 12 – Ecological Information

Ecotoxicity: Readily biodegradable.

Environmental Fate: This product is biodegradable.

Section 13 – Disposal Considerations

Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations.

Section 14 – Transportation Information

DOT Hazard Class: Not regulated.

DOT Proper Shipping Name: Not regulated.

Section 15 – Regulatory Information

TSCA Status

All ingredients are listed on the TSCA Chemical Inventory.

Other Chemical Inventories

All components of this product are listed on the following inventories: Canada (DSL), Europe (EINECS/ELINCS), Australia (AICS), Korea (ECL), Japan (ENCS).

CERCLA/SARA

SARA Title III, Sections 311/312 – This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40 CFR 370: Classification of this product: Immediate, Fire

SARA Title 313 – This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

CHEMICAL NAME	CAS NO.	MAXIMUM CONCENTRATION	COMMENT
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No ingredients listed in this section.

Reportable Quantities/Threshold Planning Quantities: CERCLA requires notification of the National Response Center (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs). SARA 302/304 requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and/or release of Reportable Quantities.

CHEMICAL NAME	REPORTABLE QUANTITY (RQ)	THRESHOLD PLANNING QUANTITY (TPQ)
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No ingredients listed in this section.

State & Provincial Right to Know & Selected Regulatory Lists

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List

CHEMICAL NAME	STATE LIST
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None	AZ, CA, CAP65C, CT, IL, MA, MN, NJ, PA, RI
AZ – Arizona Ambient Air Quality Guidelines	AZ, CA, CT, ID, MA, MN, NJ, PA, RI
CT – Connecticut Hazardous Air Pollutants	IL – Illinois Toxic Air Contaminant – Carcinogenic
CA – California Director's List of Hazardous Substances	MA – Massachusetts Right to Know List
CA65C – California Prop 65 Carcinogen	MN – Minnesota Hazardous Substance List
CA65R – California Prop 65 Reproductive Toxin	NJ – New Jersey Right to Know List
FL – Florida Substances List	PA – Pennsylvania Right to Know List
ID – Idaho Non-carcinogen Toxic Air Pollutants	RI – Rhode Island Hazardous Substance List

Section 16 – Other Information

Hazard Ratings

Hazard Ratings

Hazard Rating Scale:

4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

Information Contact: Arrow Chemical Products, Inc., 2067 Ste. Anne, Detroit, MI 48216

The seller makes no warranty expressed or implied concerning the accuracy of any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products. The buyer assumes all risks of the use and/or handling.