

Dr. Brown's Laundry Spray

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SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Dr. Brown's Laundry Spray**

Other means of identification : HG125

Recommended use of the chemical and restrictions on use

: Laundry spray
Recommended restrictions: Keep out of reach of children.

Chemical family

: Mixture

Name, address, and telephone number of the supplier:

Handi-Craft Company

4433 Fyler Avenue
St. Louis, Missouri 63116
U.S.A.

Email address: info@handi-craft.com

Supplier's Telephone # : 1-800-778-9001 (Monday - Friday 8:00 am - 4:30 pm CST)

24 Hr. Emergency Tel # : INFOTRAC: (800) 535-5053 (Within Continental US and Canada); + 001 (352) 323-3500 (International)

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear to pale amber liquid. Odorless.

Most important hazards: Causes serious eye irritation. Occupational exposure to the substance or mixture may cause adverse effects.

This product is packaged and sold as a consumer product. For informational purposes, this product would have the following OSHA Hazcom 2012 and WHMIS 2015 classification.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification:

Eye damage/irritation - Category 2A

Label elements

Hazard pictogram(s)



Signal Word

WARNING!

Hazard statement(s)

Causes serious eye irritation.



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Precautionary statement(s)

Wash thoroughly after handling.
Wear eye protection/face protection.

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 advice/attention.

Other hazards

Other hazards which do not result in classification: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	Not available.	110615-47-9	0.1 - 1.0
2-Phenoxyethanol	2-phenyloxyethanol	122-99-6	0.1 - 1.0
Sodium lauryl ether sulfate	Sodium laureth sulfate	9004-82-4	0.1 - 1.0
Cocamidopropyl Betaine	Coco betaine	61789-40-0	0.1 - 1.0
Chlorophenesin	Not available.	104-29-0	0.1 - 1.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Do NOT induce vomiting. Have victim rinse mouth with water, then give one to two glasses of water to drink. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.
- Inhalation* : None required when used as intended. Remove to fresh air if breathing becomes difficult.
- Skin contact* : None required under normal conditions. If irritation or symptoms develop, seek medical attention.
- Eye contact* : Flush eyes with running water for at least 5 to 10 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

Most important symptoms and effects, both acute and delayed

- : Causes serious eye irritation. Symptoms may include tearing, redness and discomfort. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

- : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Unsuitable extinguishing media

- : Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

- : None known or reported by the manufacturer.



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Flammability classification (OSHA 29 CFR 1910.106)

: Not flammable.

Hazardous combustion products

: None known or reported by the manufacturer.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire-fighting procedures

: Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Material can create slippery conditions.

Environmental precautions : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

Methods and material for containment and cleaning up

: Wipe up with absorbent material (e.g. cloth, fleece).

Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the National Response Center in the United States (phone: 1-800-424-8802).
 US CERCLA Reportable quantity (RQ): See section 15.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

: Avoid contact with eyes. Spilled material will create slippery surfaces. Clean up promptly.

Conditions for safe storage : Store in a cool, dry, well-ventilated area.

Incompatible materials : Strong oxidizers.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	N/Av	N/Av	N/Av	N/Av
2-Phenoxyethanol	N/Av	N/Av	N/Av	N/Av
Sodium lauryl ether sulfate	N/Av	N/Av	N/Av	N/Av
Cocamidopropyl Betaine	N/Av	N/Av	N/Av	N/Av
Chlorphenesin	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

: None required when used as intended.

Respiratory protection

: None required when used as intended.



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Skin protection : None required when used as intended.
Eye / face protection : None required when used as intended.
Other protective equipment : None required when used as intended.
General hygiene considerations
: Avoid contact with eyes.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid
Colour : Amber
Odour : Odorless.
Odour threshold : Not available.
pH : 9.0-10.0
Melting Point/Freezing point : N/Av
Initial boiling point and boiling range
: N/Av
Flash point : N/Av
Flashpoint (Method) : N/Av
Evaporation rate (BuAe = 1) : N/Av
Flammability : Not considered flammable.
Lower explosion or flammability limit (% by vol.)
: N/Av
Upper explosion or flammability limit (% by vol.)
: N/Av
Oxidizing properties : None.
Explosive properties : Not explosive
Vapour pressure : N/Av
Relative vapour density : N/Av
Relative density / Specific gravity
: N/Av
Solubility in water : Soluble
Other solubility(ies) : N/Av
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution
: N/Av
Auto-ignition temperature : N/Av
Decomposition temperature : N/Av
Viscosity : same as water
Particle characteristics : Not applicable.
Volatiles (% by weight) : N/Av
Volatile organic Compounds (VOC's)
: N/Av
Absolute pressure of container
: N/Av
Flame projection length : N/Av
Other physical/chemical comments
: None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not normally reactive.
Chemical stability : Material is stable under normal conditions.



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Possibility of hazardous reactions

: Hazardous polymerization does not occur.

Conditions to avoid

: Do not mix with other chemicals.

Incompatible materials

: Strong oxidizing agents

Hazardous decomposition products

: None known or reported by the manufacturer.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eye : YES

Routes of entry Ingestion : YES

Routes of exposure skin absorption

: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: Harmful effects are not expected under normal usage.

Sign and symptoms ingestion

: Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea.

Sign and symptoms skin

: None expected, when used as intended.

Sign and symptoms eyes

: Causes serious eye irritation. Symptoms may include tearing, redness and discomfort.

Potential Chronic Health Effects

: Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

Mutagenicity

: Not expected to be mutagenic in humans.

Carcinogenicity

: Not expected to have carcinogenic effects.

Reproductive effects & Teratogenicity

: Not expected to cause reproductive effects.

Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

Specific target organ effects

: According to the classification criteria of U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015), this product is not expected to cause target organ toxicity through single or repeated exposures.

Medical conditions aggravated by overexposure

: None known.

Synergistic materials

: Not available.

Toxicological data

: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.



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Chemical name	LC₅₀(4hr)	LD₅₀	
	inh, rat	(Oral, rat)	(Rabbit, dermal)
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	N/Av	N/Av	N/Av
2-Phenoxyethanol	>1000mg/m ³ (no deaths)	1260 mg/kg	14422 mg/kg
Sodium lauryl ether sulfate	N/Av	>2000 mg/kg	4.6g/kg
Cocamidopropyl Betaine	N/Av	> 5000 mg/kg	> 2000 mg/kg
Chlorphenesin	N/Av	N/Av	N/Av

Other important toxicological hazards

: None known.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : Contains material that may be harmful in the environment. Do not allow material to contaminate ground water system. See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

Ingredients	CAS #	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	N/Av	N/Av	
2-Phenoxyethanol	122-99-6	344mg/L (Fathead minnow)	23mg/L (Fathead minnow)	None.
Sodium lauryl ether sulfate	9004-82-4	28mg/L	0.12 mg/L	None.
Cocamidopropyl Betaine	61789-40-0	2 mg/L (Zebra fish)	0.16 mg/L/28-day (Rainbow trout)	None.

Ingredients	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	N/Av	N/Av	
2-Phenoxyethanol	122-99-6	488mg/L (Daphnia magna)	9.43mg/L (Daphnia magna)	None.
Sodium lauryl ether sulfate	9004-82-4	3.12 mg/L	0.18-0.7mg/L	None.
Cocamidopropyl Betaine	61789-40-0	1.9 mg/L (Daphnia magna)	0.9 mg/L	None.



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<u>Ingredients</u>	<u>CAS #</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	N/Av	N/Av	
2-Phenoxyethanol	122-99-6	429mg/L (Green algae)	>500 mg/L (Green algae)	None.
Sodium lauryl ether sulfate	9004-82-4	12mg/L	N/Av	None.
Cocamidopropyl Betaine	61789-40-0	0.55 mg/L/96hr (Green algae)	N/Av	1

Persistence and degradability

: No information available.

Bioaccumulation potential

: No information available.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Sodium lauryl ether sulfate (CAS 9004-82-4)	1.4	N/Av
Cocamidopropyl Betaine (CAS 61789-40-0)	-1.28 to 3.63	3 - 71
2-Phenoxyethanol (CAS 122-99-6)	1.16 at 25 °C	

Mobility in soil

: No information available.

Other Adverse Environmental effects

: No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

: Handle waste according to recommendations in Section 7.

Methods of Disposal

: Dispose in accordance with all applicable federal, state, provincial and local regulations.

RCRA





: Not applicable.



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SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
49CFR/DOT Additional information	None.				
TDG	None.	Not regulated.	not regulated	none	
TDG Additional information	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	None.				

Special precautions for user : None known or reported by the manufacturer.

Environmental hazards : This substance does not meet the criteria for an environmentally hazardous substance according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

Ingredients	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de Minimis Concentration
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	Yes	N/Ap	N/Av	No	No
2-Phenoxyethanol	122-99-6	Yes	N/Ap	N/Av	No	No
Sodium lauryl ether sulfate	9004-82-4	Yes	N/Ap	N/Av	No	No
Cocamidopropyl Betaine	61789-40-0	Yes	None.	None.	No	No
Chlorphenesin	104-29-0	No	N/Ap	N/Av	No	No

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Eye damage/irritation



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US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	No	N/Ap	No	No	No	No	No	No
2-Phenoxyethanol	122-99-6	No	N/Ap	No	No	No	No	No	No
Sodium lauryl ether sulfate	9004-82-4	No	N/Ap	No	No	No	No	No	No
Cocamidopropyl Betaine	61789-40-0	No	N/Ap	No	No	No	No	No	No
Chlorphenesin	104-29-0	No	N/Ap	No	No	No	No	No	No

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	N/Av	Present	Present	(5)-6337	KE-17706	Present	
2-Phenoxyethanol	122-99-6	204-589-7	Present	Present	(9)-1277; (7)-78; (3)-558	KE-28257	Present	HSR003045
Sodium lauryl ether sulfate	9004-82-4	N/Av	Present	Present	(7)-120	KE-32427	Present	HSR003434
Cocamidopropyl Betaine	61789-40-0	263-058-8	Present	Present	(2)-1290	KE-01243	Present	HSR003529
Chlorphenesin	104-29-0	203-192-6	Present	N/Av	N/Av	N/Av	Present	N/Av

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- EPA: Environmental Protection Agency
- IARC: International Agency for Research on Cancer
- LC: Lethal Concentration
- LD: Lethal Dose
- MN: Minnesota
- N/Ap: Not Applicable
- N/Av: Not Available

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NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TLV: Threshold Limit Values
TWA: Time Weighted Average

References : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices
2. ECHA - European Chemical Agency
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases
4. Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists
6. California Proposition 65 List
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

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: 2

Revision Information

: 1. IDENTIFICATION 9. PHYSICAL AND CHEMICAL PROPERTIES

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

<p>Prepared for: Handi-Craft Company 4433 Fyler Avenue St. Louis, Missouri 63116 Website: www.drbrownsbaby.com Telephone: +1 (800) 778-9001 Direct all enquiries to: Handi-Craft Company</p>	
<p>Prepared by: ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada) http://www.thecompliancecenter.com</p>	

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