



Handi-Craft Company  
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Dr. Brown's Bottle & Dish Soap  
SDS Preparation Date (mm/dd/yyyy): 01/23/2023

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Dr. Brown's Bottle & Dish Soap**

Other means of identification : HG124

Recommended use of the chemical and restrictions on use

: Dish soap  
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 #** : 1-877-552-5333

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 hands 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>
Sodium lauryl ether sulfate	Sodium laureth sulfate	9004-82-4	5.0 - 10.0
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	Not available.	110615-47-9	1.0 - 5.0
Cocamidopropyl Betaine	Coco betaine	61789-40-0	1.0 - 5.0
2-Phenoxyethanol	2-phenyloxyethanol	122-99-6	0.1 - 1.0
Chlorphenesin	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. 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>
Sodium lauryl ether sulfate	N/Av	N/Av	N/Av	N/Av
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	N/Av	N/Av	N/Av	N/Av
Cocamidopropyl Betaine	N/Av	N/Av	N/Av	N/Av
2-Phenoxyethanol	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.



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**Respiratory protection** : None required when used as intended.  
**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

**Appearance** : Clear to pale amber liquid.  
**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 (solid, gas)** : Not considered flammable.  
**Lower flammable limit (% by vol.)**  
: N/Av  
**Upper flammable limit (% by vol.)**  
: N/Av  
**Oxidizing properties** : None.  
**Explosive properties** : Not explosive  
**Vapour pressure** : N/Av  
**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** : 3,000-5,000 cps  
**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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<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u> <u>inh. rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Sodium lauryl ether sulfate	N/Av	>2000 mg/kg	4.6g/kg
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	N/Av	N/Av	N/Av
Cocamidopropyl Betaine	N/Av	> 5000 mg/kg	> 2000 mg/kg
2-Phenoxyethanol	>1000mg/m <sup>3</sup> (no deaths)	1260 mg/kg	14422 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:**

<u>Ingredients</u>	<u>CAS #</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
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.
2-Phenoxyethanol	122-99-6	344mg/L (Fathead minnow)	23mg/L (Fathead minnow)	None.

<u>Ingredients</u>	<u>CAS #</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
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.
2-Phenoxyethanol	122-99-6	488mg/L (Daphnia magna)	9.43mg/L (Daphnia magna)	None.

<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>
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
2-Phenoxyethanol	122-99-6	429mg/L (Green algae)	>500 mg/L (Green algae)	None.



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**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	
<b>49CFR/DOT Additional information</b>	None.				
TDG	None.	Not regulated.	not regulated	none	
<b>TDG Additional information</b>	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
<b>ICAO/IATA Additional information</b>	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
<b>ICAO/IATA Additional information</b>	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.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
 : Not available.

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

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





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<u>Ingredients</u>	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 minimus Concentration
Sodium lauryl ether sulfate	9004-82-4	Yes	N/Ap	N/Av	No	No
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	Yes	N/Ap	N/Av	No	NS
Cocamidopropyl Betaine	61789-40-0	Yes	None.	None.	No	No
2-Phenoxyethanol	122-99-6	Yes	N/Ap	N/Av	No	No
Chlorphenesin	104-29-0	NL	N/Ap	N/Av	No	N/Ap

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

**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
Sodium lauryl ether sulfate	9004-82-4	No	N/Ap	No	No	No	No	No	No
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	No	N/Ap	No	No	No	No	No	No
Cocamidopropyl Betaine	61789-40-0	No	N/Ap	No	No	No	No	No	No
2-Phenoxyethanol	122-99-6	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:



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<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Sodium lauryl ether sulfate	9004-82-4	N/Av	Present	Present	(7)-120	KE-32427	Present	HSR003434
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	N/Av	Present	Present	(5)-6337	KE-17706	Present	
Cocamidopropyl Betaine	61789-40-0	263-058-8	Present	Present	(2)-1290	KE-01243	Present	HSR003529
2-Phenoxyethanol	122-99-6	204-589-7	Present	Present	(9)-1277; (7)-78; (3)-558	KE-28257	Present	HSR003045
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/Av: Not Available
- 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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#### Other special considerations for handling

: Provide adequate information, instruction and training for operators.



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<p><b>Prepared for:</b>          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><b>Prepared by:</b>          ICC The Compliance Center Inc.          Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada)  <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

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