



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|--------------------------------------|--|
| Product identifier | LanoSoft Spring Fresh Dish Soap |
| Other means of identification | Not available |
| Recommended use | Dish Soap |
| Recommended restrictions | None known. |
| Manufacturer information | Pro Products LLC 7201 Engle Road Fort Wayne, IN 46804-5875 US Phone: 260-483-2519 Emergency Phone: 1-800-424-9300 (CHEMTREC) |
| Supplier | See above. |

2. Hazards Identification

| | | |
|-----------------------------------|-----------------------------------|-------------|
| Physical hazards | Not classified. | |
| Health hazards | Serious eye damage/eye irritation | Category 2A |
| Environmental hazards | Not classified. | |
| WHMIS 2015 defined hazards | Not classified | |
| Label elements | | |



| | |
|--|--|
| Signal word | Warning |
| Hazard statement | Causes serious eye irritation. |
| Precautionary statement | |
| Prevention | Wash thoroughly after handling. Wear eye protection/face protection. |
| Response | 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. |
| Storage | Store away from incompatible materials. |
| Disposal | Dispose of waste and residues in accordance with local authority requirements. |
| WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC) | None known |
| WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC) | None known |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | None. |

3. Composition/Information on Ingredients

Mixture

| Chemical name | Common name and synonyms | CAS number | % |
|-------------------------------|---------------------------------|-------------------|----------|
| 2-Methyl-4-isothiazolin-3-one | | 2682-20-4 | >1 |
| Aloe Barbadensis | | 94349-62-9 | >1 |
| Cocoamidopropyl betaine | | 70851-07-9 | >1 |
| Fragrance | | Proprietary | >1 |
| Glycerin | | 56-81-5 | >1 |
| Sodium lauryl ether sulfate | | Trade Secret | >1 |
| Sodium xylene sulphonate | | 1300-72-7 | >1 |
| Urea | | 57-13-6 | >1 |

Composition comments

US GHS: The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

4. First Aid Measures

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|---|--|
| Inhalation | If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention. |
| Skin contact | Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists. |
| Eye contact | 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. |
| Ingestion | Rinse mouth. Do not induce vomiting. Get medical attention if symptoms occur. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention. |
| Most important symptoms/effects, acute and delayed | Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| General information | Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Keep out of reach of children. |

5. Fire Fighting Measures

| | |
|--|---|
| Suitable extinguishing media | Dry chemical, CO ₂ , water spray or regular foam. |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Firefighters should wear full protective clothing including self-contained breathing apparatus. |
| Fire-fighting equipment/instructions | Move containers from fire area if you can do so without risk. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | No unusual fire or explosion hazards noted. |
| Hazardous combustion products | May include and are not limited to: Oxides of carbon. |

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. 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. Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| Environmental precautions | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters. |

7. Handling and Storage

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|---|---|
| Precautions for safe handling | Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. |
| Conditions for safe storage, including any incompatibilities | Store in a closed container away from incompatible materials. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children. |

8. Exposure Controls/Personal Protection

Occupational exposure limits

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| Components | Type | Value | Form |
|------------------------|------|----------------------|-------|
| Glycerin (CAS 56-81-5) | TWA | 10 mg/m ³ | Mist. |

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Components | Type | Value | Form |
|------------------------|------|---|---------------------------|
| Glycerin (CAS 56-81-5) | TWA | 3 mg/m ³ 10 mg/m ³ | Respirable mist. Mist. |

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

| Components | Type | Value | Form |
|------------------------|------|----------------------|-------|
| Glycerin (CAS 56-81-5) | TWA | 10 mg/m ³ | Mist. |

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

| Components | Type | Value | Form |
|------------------------|------|----------------------|-------|
| Glycerin (CAS 56-81-5) | TWA | 10 mg/m ³ | Mist. |

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|------------------------|------|---|-------------------------------------|
| Glycerin (CAS 56-81-5) | PEL | 5 mg/m ³ 15 mg/m ³ | Respirable fraction. Total dust. |

US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

| Components | Type | Value | Form |
|--------------------|------|----------------------|--------------------|
| Urea (CAS 57-13-6) | TWA | 10 mg/m ³ | Total particulate. |

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

This material does not have established exposure limits.

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.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields.

Skin protection

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Other

Wear suitable protective clothing. As required by employer code.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

Thermal hazards

Not applicable.

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. Wash hands before breaks and immediately after handling the product. When using do not eat or drink.

9. Physical and Chemical Properties

| | |
|---|---------------------|
| Appearance | Viscous |
| Physical state | Liquid. |
| Form | Liquid |
| Color | Water white |
| Odor | Pleasant, Fruity |
| Odor threshold | Not available. |
| pH | 6.5 - 8.5 |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | > 392 °F (> 200 °C) |
| Pour point | Not available. |
| Specific gravity | 1.03 - 1.06 |

| | |
|---|-----------------|
| Partition coefficient (n-octanol/water) | Not available. |
| Flash point | None |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | Complete |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | 300 - 600 cP |

10. Stability and Reactivity

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|---|--|
| Reactivity | This product may react with oxidizing agents. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Chemical stability | Stable under recommended storage conditions. |
| Conditions to avoid | Contact with incompatible materials. Do not mix with incompatible materials. |
| Incompatible materials | Acids. Oxidizers. Caustics. |
| Hazardous decomposition products | May include and are not limited to: Oxides of carbon. |

11. Toxicological Information

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|---|--|
| Routes of exposure | Eye, Skin contact, Inhalation, Ingestion. |
| Information on likely routes of exposure | |
| Ingestion | May cause stomach distress, nausea or vomiting. |
| Inhalation | No adverse effects due to inhalation are expected. |
| Skin contact | No adverse effects due to skin contact are expected. |
| Eye contact | Causes serious eye irritation. |
| Symptoms related to the physical, chemical and toxicological characteristics | Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |

Information on toxicological effects

Acute toxicity

| Components | Species | Test Results |
|---|---------|--------------------------------|
| 2-Methyl-4-isothiazolin-3-one (CAS 2682-20-4) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | 242 mg/kg, Ashland SDS |
| <i>Inhalation</i> | | |
| LC50 | Rat | 0.1 mg/L, 4 Hours, Ashland SDS |
| <i>Oral</i> | | |
| LD50 | Rat | 235 mg/kg, Ashland SDS |
| | | 183 mg/kg, Ashland SDS |

| Components | Species | Test Results |
|--|---------------|---|
| Aloe Barbadosensis (CAS 94349-62-9) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Not available | |
| <i>Inhalation</i> | | |
| LC50 | Not available | |
| <i>Oral</i> | | |
| LD50 | Mouse | > 10000 mg/kg, NTP |
| | Rat | > 5000 mg/kg, NTP |
| Cocoamidopropyl betaine (CAS 70851-07-9) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rat | > 16000 mg/kg |
| <i>Inhalation</i> | | |
| LC50 | Not available | |
| <i>Oral</i> | | |
| LD50 | Rat | > 5000 mg/kg |
| Fragrance (CAS Proprietary) | | |
| Acute | | |
| <i>Inhalation</i> | | |
| LC50 | Not available | |
| <i>Oral</i> | | |
| LD50 | Not available | |
| Glycerin (CAS 56-81-5) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Guinea pig | 45 ml/kg, Days, ECHA |
| | Rabbit | > 10000 mg/kg, SIGMA ALDRICH 23000 mg/kg, CCOHS |
| <i>Inhalation</i> | | |
| LC50 | Rat | > 570 mg/m ³ , 1 Hours, HSDB > 143 mg/m ³ , 4 Hours, CCOHS 4655 mg.min/l, 7 Hours, ECHA |
| <i>Oral</i> | | |
| LD50 | Guinea pig | > 10000 mg/kg, ECHA |
| | Mouse | 23000 mg/kg, CCOHS 20.8 ml/kg, ECHA |
| | Rat | > 12600 mg/kg, SIGMA ALDRICH 27200 mg/kg, CCOHS 18300 mg/kg, ECHA |
| Sodium lauryl ether sulfate (CAS Trade Secret) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Not available | |
| <i>Inhalation</i> | | |
| LC50 | Not available | |
| <i>Oral</i> | | |
| LD50 | Rat | 1600 mg/kg |
| Sodium xylene sulphonate (CAS 1300-72-7) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | > 2000 mg/kg |

| Components | Species | Test Results |
|---|---|-------------------------------|
| | | > 2000 mg/kg, 24 Hours |
| | | >= 2000 mg/kg, 24 Hours, ECHA |
| <i>Inhalation</i> | | |
| LC50 | Rat | > 6.4 mg/L, 232 Minutes, ECHA |
| <i>Oral</i> | | |
| LD50 | Rat | > 7000 mg/kg, ECHA |
| | | > 5250 mg/kg, ECHA |
| | | > 3000 mg/kg, ECHA |
| | | >= 7200 mg/kg, ECHA |
| | | 6500 mg/kg, OECD SIDS |
| | | >= 3346 mg/kg, ECHA |
| | | >= 16.2 g/kg, ECHA |
| Urea (CAS 57-13-6) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Not available | |
| <i>Inhalation</i> | | |
| LC50 | Not available | |
| <i>Oral</i> | | |
| LD50 | Mouse | 13000 mg/kg, ECHA |
| | | 11500 mg/kg, ECHA |
| | | 11000 mg/kg, CCOHS |
| | Rat | 15000 mg/kg, ECHA |
| | | 14300 mg/kg |
| | Sheep | 28500 mg/kg |
| Skin corrosion/irritation | Prolonged skin contact may cause temporary irritation. | |
| Exposure minutes | Not available. | |
| Erythema value | Not available. | |
| Oedema value | Not available. | |
| Serious eye damage/eye irritation | Causes serious eye irritation. | |
| Corneal opacity value | Not available. | |
| Iris lesion value | Not available. | |
| Conjunctival reddening value | Not available. | |
| Conjunctival oedema value | Not available. | |
| Recover days | Not available. | |
| Respiratory or skin sensitization | | |
| Canada - Alberta OELs: Irritant | | |
| Glycerin (CAS 56-81-5) | | Irritant |
| Respiratory sensitization | Not available. | |
| Skin sensitization | This product is not expected to cause skin sensitization. | |
| Mutagenicity | Non-hazardous by WHMIS/OSHA criteria. | |
| Carcinogenicity | Non-hazardous by WHMIS/OSHA criteria. | |
| US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | | |
| | Not listed. | |
| Reproductive toxicity | Non-hazardous by WHMIS/OSHA criteria. | |
| Teratogenicity | Non-hazardous by WHMIS/OSHA criteria. | |
| Specific target organ toxicity - single exposure | Not classified. | |
| Specific target organ toxicity - repeated exposure | Not classified. | |

| | |
|--------------------------|--------------------------------------|
| Aspiration hazard | Not available. |
| Chronic effects | Prolonged inhalation may be harmful. |

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data

| Components | | Species | Test Results |
|--|------|---|------------------------------|
| 2-Methyl-4-isothiazolin-3-one (CAS 2682-20-4) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Calanoid copepod (<i>Acartia clausi</i>) | 0.056 mg/L, 48 Hours |
| | | Water flea (<i>Daphnia magna</i>) | 0.18 mg/L, 48 Hours |
| Fish | LC50 | Bluegill (<i>Lepomis macrochirus</i>) | 0.07 mg/L, 96 Hours |
| | | Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>) | 0.07 mg/L, 96 Hours |
| Glycerin (CAS 56-81-5) | | | |
| Aquatic | | | |
| Fish | LC50 | Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>) | 51000 - 57000 mg/L, 96 hours |
| Sodium lauryl ether sulfate (CAS Trade Secret) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (<i>Ceriodaphnia dubia</i>) | 2.43 - 4.01 mg/L, 48 hours |
| Urea (CAS 57-13-6) | | | |
| Crustacea | EC50 | Daphnia | 10000 mg/L, 48 Hours |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (<i>Daphnia magna</i>) | 3910 mg/L, 48 hours |
| Fish | LC50 | Giant gourami (<i>Colisa fasciata</i>) | 5 mg/L, 96 hours |

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Mobility in general Not 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 component.

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

14. Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions

Not applicable

US 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.

US. 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**

No

SARA 311/312 Hazardous chemical

No

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.

US state regulations**US - Minnesota Haz Subs: Listed substance**Glycerin (CAS 56-81-5) Listed.
Urea (CAS 57-13-6) Listed.**US - New Jersey RTK - Substances: Listed substance**

Glycerin (CAS 56-81-5)

US - Texas Effects Screening Levels: Listed substanceCocoamidopropyl betaine (CAS 70851-07-9) Listed.
Glycerin (CAS 56-81-5) Listed.
Sodium lauryl ether sulfate (CAS Trade Secret) Listed.
Sodium xylene sulphonate (CAS 1300-72-7) Listed.
Urea (CAS 57-13-6) Listed.**US. Massachusetts RTK - Substance List**

Glycerin (CAS 56-81-5)

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania Worker and Community Right-to-Know Law

Glycerin (CAS 56-81-5)

US. Rhode Island RTK

Glycerin (CAS 56-81-5)

US. California Proposition 65

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.

Inventory status

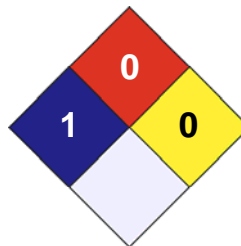
| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

| LEGEND | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

| | |
|---------------------|-----|
| HEALTH | / 1 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | X |



Disclaimer

The data contained in this material safety data sheet was obtained from sources that were technically accurate, reliable, and state of the art when this document was prepared. If data was unavailable to complete certain sections, the absence of that data is identified in this document. Because the supplier cannot know the exact circumstances during actual use of this product, other hazards, exposure scenarios, disposal considerations, and regulations may apply and it is the responsibility of the user to read and understand the product label and this document before use. Do not use the product for purposes other than those stated in Section 1.

Issue date

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Version

01

Effective date

16-May-2018

Prepared by

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Other information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.