

Safety Data Sheet

Issue Date 19-Sep-2018

Revision/Review Date: 19-Sep-2018

Version 1.0

1. IDENTIFICATION

Product Identifier

Product Name Boardwalk PDC Cleaner Degreaser

Other Means of Identification

Product Code BWK4812

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Degreaser concentrate. For industrial use.

Details of the Supplier of the Safety Data Sheet

Manufactured for
Boardwalk®/ Essendant Co.
One Parkway North
Deerfield, IL 60015

Emergency Telephone Number

Company Phone Number Phone: 1-844-828-5617
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION*

Appearance Green

Physical State Liquid

Odor No Fragrance Added

Classification

Serious Eye Damage/Eye Irritation

Category 2 Subcategory A

Signal Word

Warning



Hazard Statements

Causes serious eye irritation.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.
Wear eye protection.

Precautionary Statements - 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.

Precautionary Statements - Storage

No other specific measures identified.

Precautionary Statements - Disposal

No other specific measures identified.

Other Hazards

None known.

Unknown Acute Toxicity

None known.

Product AT USE DILUTION

GHS Classification: Not classified.

Signal Word: No signal word.

Hazard Statements: No known significant effects or critical hazards.

Prevention: Wash thoroughly after handling.

Response: Get medical attention if symptoms appear.

Disposal: No other specific measures identified.

Other Hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|------------------------------------|-------------------------|----------|
| Water | 7732-18-5 | 60-100 |
| Propylene Glycol n-Propyl Ether | 1569-01-3 | 5-10 |
| Dipropylene Glycol Monobutyl Ether | 29911-28-2 | 5-10 |
| Linear Primary Alcohol Ethoxylate | 68439-46-3 | 1-5 |
| Sodium Xylene Sulfonate | 1300-72-7 | 1-5 |
| Alkyl Polyglycoside Surfactants | 68515-73-1/ 110615-47-9 | 1-5 |
| Lauramine Oxide | 1643-20-5 | 1-5 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Product AT USE DILUTION

No hazardous ingredients in reportable quantities are present in the product.

4. FIRST-AID MEASURES**First Aid Measures**

| | |
|---------------------|--|
| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists seek medical advice/attention. |
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. If irritation occurs and persists, seek medical attention. |
| Inhalation | Remove to fresh air. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. If any discomfort persists, obtain medical attention. |

Most Important Symptoms and Effects

Symptoms Prolonged or repeated exposure can remove natural skin oils and may produce irritation.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician Treat symptomatically. May aggravate pre-existing skin disorders.

Product AT USE DILUTION

Eye Contact: May cause eye irritation. Rinse with water for a few minutes.

Skin Contact: No known effect. Rinse with water for a few minutes.

Inhalation: No special measures required. Treat symptomatically.

Ingestion: Get medical attention if symptoms occur.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water spray (fog). Carbon dioxide (CO2). Water. Foam.

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

None known.

Hazardous Combustion Products

Normal products of combustion.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

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| Personal Precautions | Wear protective clothing as described in Section 8 of this safety data sheet. |
| Environmental Precautions | Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information. See Section 12 for additional Ecological Information. |

Methods and Material for Containment and Cleaning Up

| | |
|--------------------------------|--|
| Methods for Containment | Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. |
| Methods for Clean-Up | Contain and collect with an inert absorbent and place into an appropriate container for disposal. Rinse area with clean water and dry before permitting traffic. |

Product AT USE DILUTION

Personal Precautions: Use personal protective equipment as required.

Environmental Precautions: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Methods for Clean Up: Use a water rinse for a final clean-up.

7. HANDLING AND STORAGE

Precautions for Safe Handling

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|--------------------------------|---|
| Advice on Safe Handling | Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. For industrial and commercial use only. Avoid contact with skin, eyes or clothing. |
|--------------------------------|---|

Conditions for Safe Storage, Including Any Incompatibilities

| | |
|-------------------------------|---|
| Storage Conditions | Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from freezing. Keep out of the reach of children. |
| Incompatible Materials | None known based on information supplied. |

Product AT USE DILUTION

Handling and Storage: Wash thoroughly after handling. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------|-----------|----------|------------|
| None Listed | | | |

Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas. Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. Eyewash stations. Showers.

Individual Protection Measures, such as Personal Protective Equipment

- Eye/Face Protection** Wear safety glasses or goggles.
- Skin and Body Protection** Wear protective gloves when handling this product.
- Respiratory Protection** Under normal conditions, respirator is not normally required.
- General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

Product AT USE DILUTION

Engineering Controls: Good general room ventilation should be adequate.
Eye Protection: Wear glasses or goggles when using this product.
Skin and Body Protection: No protective equipment needed under normal use conditions.
Respiratory Protection: No protective equipment is needed under normal use conditions.
General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | | | |
|-----------------------|--|-----------------------|--------------------|
| Physical State | Liquid | Odor | No Fragrance Added |
| Appearance | Clear | Odor Threshold | Not determined |
| Color | Green (from FD&C Yellow #5 & Polymeric Blue Dye) | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks - Method</u> |
|------------------------------|-----------------------|-------------------------|
| pH (concentrate) | 11.0-11.5 | |
| pH (64:1 dilution) | 9.5-10.0 | |
| Melting Point/Freezing Point | Approximately 32°F | |
| Boiling Point/Boiling Range | Approximately 212°F | |
| Flash Point | Not applicable | |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | Liquid-not applicable | |
| Lower Flammability Limit | Not applicable | |
| Vapor Pressure | Not determined | |
| Vapor Density | Not determined | |
| Specific Gravity | 1.01 | |
| Water Solubility | Completely soluble | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not an explosive | |
| Oxidizing Properties | Not determined | |

Product AT USE DILUTION

Physical State: Liquid
Color: Light green to colorless
Odor: None
pH: 9.5-10.0

10. STABILITY AND REACTIVITY

Reactivity
 Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children. Avoid excessive heat. Contact with acids can release carbon dioxide and heat. Keep from freezing.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition may produce oxides of carbon.

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| 11. TOXICOLOGICAL INFORMATION |
|--------------------------------------|

Information on Likely Routes of Exposure**Product Information**

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|---------------------|----------------------------------|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | Avoid contact with skin. |
| Inhalation | Avoid breathing vapors or mists. |
| Ingestion | Do not taste or swallow. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|----------------------------|-----------------------------------|---|
| Propylene Glycol n-Propyl Ether 1569-01-3 | = 2504 mg/kg (Rat) | = 3350 mg/kg (Rabbit) | - |
| Dipropylene Glycol Monobutyl Ether 29911-28-2 | = 1620 µL/kg (Rat) | = 5860 µL/kg (Rabbit) | > 2.04 mg/L (Rat) 4 h = 42.1 ppm (Rat) 4 h |
| Linear Primary Alcohol Ethoxylate 68439-46-3 | = 1400 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | - |
| Sodium Xylene Sulfonate 1300-72-7 | = 7200 mg/kg (Rat) | - | - |
| Alkyl Polyglycoside Surfactants 68515-73-1/ 110615-47-9 | > 5000 mg/kg (Rat) | - | - |
| Lauramine Oxide 1643-20-5 | > 600 mg/kg (Rat) (14days) | > 2000 mg/kg (Rabbit) (14days) | - |

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity

Not determined

Product AT USE DILUTION**No specific data available.**

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| 12. ECOLOGICAL INFORMATION |
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Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|--|------------------------|--|----------------------------|---------------------------------|
| Dipropylene Glycol Monobutyl Ether 29911-28-2 | - | 841: 96 h Poecilia reticulata mg/L LC50 static | - | - |
| Linear Primary Alcohol Ethoxylate 68439-46-3 | EC50: 0.95mg/L (Algae) | 6mg/L (96hr) Pimephales promelas (Fathead minnow) | - | 2.5mg/L (48hr) Daphnia magna |
| Lauramine Oxide 1643-20-5 | 0.19 mg/L (72hr) | 2.67 mg/L (96hr) | - | 3.1 mg/L (48hr) |

Persistence/Degradability

Not expected to persist.

Bioaccumulation

Not expected to bioaccumulate.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

- Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
- DOT** Not regulated. (NOI Non-Hazardous)
- IATA** Not regulated.
- IMDG** Not regulated.

Product AT USE DILUTION

Not intended for transport.

15. REGULATORY INFORMATION*

International Inventories

Canada – Domestic Substances List (DSL) All ingredients are listed or exempt.
 TSCA (Toxic Substances Control Act) All ingredients are listed or exempt.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

CERCLA

None Listed

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

None known.

US State Regulations

None known

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

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

| Chemical Name | State List |
|---------------|------------|
| None Known | |

AZ- Arizona Ambient Air Quality Guidelines

CT- Connecticut Hazardous Air Pollutants

CA- California Director's List of Hazardous Substances

CAP65- California Prop65

FL- Florida Substances List

ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL- Illinois Toxic Air Contaminant- Carcinogenic

MA- Massachusetts Right to Know List

MN- Minnesota Hazardous Substances List

NJ- New Jersey Right to Know List

PA- Pennsylvania Right to Know List

RI- Rhode Island Hazardous Substances List

16. OTHER INFORMATION

| | | | | |
|-------------|-----------------------|---------------------|-------------------------|----------------------------|
| NEPA | Health Hazards | Flammability | Instability | Special Hazards |
| | Not determined | Not determined | Not determined | Not determined |
| HMIS | Health Hazards | Flammability | Physical Hazards | Personal Protection |
| | 2 | 0 | 0 | Not determined |

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|-------------------------------------|
| Product AT USE DILUTION |
| Health Hazard: 1 |
| Flammability: 0 |
| Physical Hazards: 0 |
| Personal Protection: Not determined |

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Revision Note Version 1.0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

End of Safety Data Sheet