

PREMIUM LAUNDRY

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/06/2014

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : PREMIUM LAUNDRY
Product code : WA-PRE

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Industrial and Institutional Laundry Concentrate

1.3. Details of the supplier of the safety data sheet

WATERMark Solutions
3637 W. Roanoke, Ste. 8
Phoenix, AZ 85009 - USA
T (623) 326-7945

1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2 H315
Eye Dam. 1 H318
Aquatic Acute 3 H402

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

Causes skin irritation
Causes serious eye damage
Harmful to aquatic life

Precautionary statements (GHS-US)

Prevention

: Wash hands, face, exposed skin thoroughly after handling.
Avoid release to the environment.
Wear eye protection, protective clothing.

Response

: IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.

Disposal

: Dispose of contents/container to comply with local/state/federal regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

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3.2. Mixture

| Name | Product identifier | % | GHS-US classification |
|------------------------------------|---------------------|---------|--|
| Sodium carbonate | (CAS No) 497-19-8 | 20 - 35 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 3, H402 |
| Nonylphenol, branched, ethoxylated | (CAS No) 68412-54-4 | < 10 | Eye Irrit. 2A, H319 Aquatic Acute 2, H401 |
| Disodium metasilicate | (CAS No) 6834-92-0 | 5 - 10 | Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 |
| Sodium perborate tetrahydrate | (CAS No) 10486-00-7 | 1 - 3 | Acute Tox. 4 (Inhalation), H332 Eye Dam. 1, H318 STOT SE 3, H335 |

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Wash hands and other exposed skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from: Direct sunlight, Heat sources. Keep container closed when not in use.
- Incompatible products : Acids. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Wear appropriate mask.
- Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Blue, free flowing powder
- Colour : Blue
- Odour : Detergent
- Odour threshold : No data available
- pH : 11 - 11.4
- pH solution : 1 %
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapour pressure : No data available
- Relative vapour density at 20 °C : No data available
- Relative density : No data available
- Solubility : Soluble in water
- Log Pow : No data available
- Log Kow : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available
- Explosive properties : No data available
- Oxidising properties : No data available
- Explosive limits : No data available

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Acids. Strong acids.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| Nonylphenol, branched, ethoxylated (68412-54-4) | |
|--|--|
| LD50 oral rat | > 2000 mg/kg (Rat) |
| Sodium carbonate (497-19-8) | |
| LD50 oral rat | 2800 mg/kg (Rat; Experimental value,Rat; Experimental value) |
| LD50 dermal rabbit | > 2000 mg/kg (Rabbit; Experimental value,Rabbit; Experimental value) |
| ATE (oral) | 2800.000 mg/kg bodyweight |
| Disodium metasilicate (6834-92-0) | |
| LD50 oral rat | 1153 mg/kg |
| LD50 dermal rat | > 5000 mg/kg bodyweight (Rat) |

Skin corrosion/irritation : Causes skin irritation.
pH: 11 - 11.4

Serious eye damage/irritation : Causes serious eye damage.
pH: 11 - 11.4

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Harmful to aquatic life.

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| Nonylphenol, branched, ethoxylated (68412-54-4) | |
|--|-----------------------------------|
| EC50 Daphnia 1 | 1 - 10 mg/l (24 h; Daphnia magna) |

| Sodium carbonate (497-19-8) | |
|------------------------------------|--------------------------------------|
| LC50 fishes 1 | 300 mg/l (96 h; Lepomis macrochirus) |
| EC50 Daphnia 1 | < 424 mg/l (48 h; Daphnia magna) |
| EC50 other aquatic organisms 1 | 14 mg/l (168 h; Plankton) |
| LC50 fish 2 | 740 mg/l (96 h; Gambusia affinis) |
| EC50 Daphnia 2 | 265 mg/l (48 h; Daphnia magna) |
| TLM fish 1 | 300 ppm (96 h; Lepomis macrochirus) |
| TLM other aquatic organisms 1 | 500 ppm (96 h; Daphnia magna) |
| Threshold limit algae 1 | 242 mg/l (5 days; Algae) |

| Disodium metasilicate (6834-92-0) | |
|--|---|
| LC50 fishes 1 | 210 mg/l (96 h; Brachydanio rerio) |
| EC50 Daphnia 1 | 216 mg/l (96 h; Daphnia magna; Static system) |
| LC50 fish 2 | 2320 mg/l (96 h; Gambusia affinis) |
| EC50 Daphnia 2 | 632 mg/l (96 h; Lymnaea sp.; Static system) |
| Threshold limit algae 1 | 207 mg/l (72 h; Scenedesmus subspicatus; GLP) |

12.2. Persistence and degradability

| PREMIUM LAUNDRY | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

| Nonylphenol, branched, ethoxylated (68412-54-4) | |
|--|-------------------------------------|
| Persistence and degradability | Not readily biodegradable in water. |

| Sodium carbonate (497-19-8) | |
|------------------------------------|---|
| Persistence and degradability | Biodegradability: not applicable. Low potential for adsorption in soil. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

| Disodium metasilicate (6834-92-0) | |
|--|---|
| Persistence and degradability | Biodegradability: not applicable. No (test)data on mobility of the substance available. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

12.3. Bioaccumulative potential

| PREMIUM LAUNDRY | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| Nonylphenol, branched, ethoxylated (68412-54-4) | |
|--|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |

| Sodium carbonate (497-19-8) | |
|------------------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |

| Disodium metasilicate (6834-92-0) | |
|--|----------------------------------|
| Bioaccumulative potential | Bioaccumulation: not applicable. |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local/state/federal regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
No dangerous good in sense of transport regulations

Additional information

Other information : No supplementary information available.

ADR

Transport document description :

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Nonylphenol, branched, ethoxylated (68412-54-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Sodium carbonate (497-19-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Disodium metasilicate (6834-92-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Sodium perborate tetrahydrate (10486-00-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

15.2.2. National regulations

No additional information available

15.3. US State regulations

Ethylene oxide (75-21-8)

| | | | | |
|---|---|---|---|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| Yes | Yes | Yes | Yes | |

1,4-dioxane (123-91-1)

| | | | | |
|---|---|---|---|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| Yes | | | | |

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Polyethylene glycols (25322-68-3)

U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - New Jersey - Right to Know Hazardous Substance List

1,4-dioxane (123-91-1)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Sodium tripolyphosphate (7758-29-4)

U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) List

Sodium trimetaphosphate (7785-84-4)

U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) List

Copper compound (7440-50-8)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Benzyl acetate (140-11-4)

U.S. - New Jersey - Right to Know Hazardous Substance List

Diethyl phthalate (84-66-2)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Bis(2-ethylhexyl)adipate (103-23-1)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

| | |
|---------------------------|--|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 2 | Hazardous to the aquatic environment — Acute Hazard, Category 2 |
| Aquatic Acute 3 | Hazardous to the aquatic environment — Acute Hazard, Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1A |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H401 | Toxic to aquatic life |
| H402 | Harmful to aquatic life |

SDS US (GHS HazCom 2012) - Custom

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