

Overdrive 3500

Revision Date: 12/16/2024

SECTION 1: Identification

1.1 Product Identifier

Trade Name **Overdrive 3500**
Product Number 11-12850

1.2 Relevant Identified Uses

Relevant Identified Uses Alkaline Presoak

1.3 Details of the Supplier of the Safety Data Sheet

Car Wash Technologies
322 19th St SW
Forest Lake, MN 55025
United States

Telephone: (651) 272-5459

1.4 Emergency Telephone Number

(651) 272-5459.

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance

Classification Acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

| Hazard Statement | Hazard Class | Category |
|------------------|--|----------|
| H314 | skin corrosion/irritation | 1B |
| H318 | serious eye damage/eye irritation | 1 |
| H317 | skin sensitization | 1 |
| H373 | specific target organ toxicity - repeated exposure | 2 |

Employ good industrial hygiene practice

2.2 Label Elements



Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Signal Word **DANGER**

- Hazard Statements

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure.

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- Precautionary Statements

| | |
|----------------|--|
| P260 | Do not breathe dusts or mists. |
| P272 | Contaminated work clothing must not be allowed out of the workplace. |
| P280 | Wear eye protection/face protection. |
| P301+P330+P331 | If swallowed: Rinse mouth. Do NOT induce vomiting. |
| P302+P352 | If on skin: Wash with plenty of water. |
| P303+P361+P353 | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304+P340 | If inhaled: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a poison center/doctor. |
| P321 | Specific treatment (see on this label). |
| P363 | Wash contaminated clothing before reuse. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to industrial combustion plant. |

2.3 Other Hazards

Hazards Not Otherwise Classified

May be harmful if swallowed (GHS category 5: acutely toxic - oral).

Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

SECTION 3: Composition/Information on Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Description of the Mixture

| Name of Substance | CAS No | Wt% |
|---|------------|-----------|
| Water | 7732-18-5 | 75 - < 90 |
| Sodium hydroxide | 1310-73-2 | 5 - < 10 |
| Dodecyltrimethylamine oxide | 1643-20-5 | 1 - < 5 |
| Quaternary ammonium compounds, coco alkyl-bis(hydroxyethyl)methyl, ethoxylated, chlorides | 61791-10-4 | 1 - < 5 |
| Poly(oxy-1,2-ethanediyl), a-uncelcyl-w-hydroxy- | 34398-01-1 | 1 - < 5 |
| Tetrasodium (1-hydroxyethylidene)bisphosphonate | 3794-83-0 | 1 - < 5 |
| Tetrasodium ethylenediaminetetraacetate | 64-02-8 | 1 - < 5 |
| Orange Terpenes | 5989-27-5 | < 1 |

SECTION 4: First-Aid Measures

4.1 Description of First-Aid Measures

General Notes

Do not leave affected person unattended. Remove victim out of the danger area. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

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Following Inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

Following Skin Contact

Wash with plenty of soap and water.

Following Eye Contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.

Following Ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms and effects are not known to date.

SECTION 5: Fire-Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO₂)

5.2 Special Hazards Arising from the Substance or Mixture

Contact with metals may emit flammable hydrogen gas.

5.3 Fire-Fighting Measures

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel

Remove persons to safety.

For Emergency Responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental Precautions

Do not empty into drains, surface water or soil. If the product has entered a water course, sewer or soil, inform the responsible authority.

6.3 Methods and Material for Containment and Cleaning Up

Advice on How to Contain a Spill

Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Advice on How to Clean Up a Spill

Collect spillage. Ensure good ventilation and exhaustion. Place in appropriate containers for disposal.

6.4 Reference to Other Sections

Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

Measures to Prevent Fire as well as Aerosol and Dust Generation

Use local and general ventilation. Use only in well-ventilated areas. Never add water to this product.

- Handling of Incompatible Substances or Mixtures

Do not mix with acids.

Advice on General Occupational Hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Packaging Compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

| Occupational Exposure Limit Values (Workplace Exposure Limits) | | | | | | | | | | | |
|--|---------------------------------|-----------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|----------|------------------|
| Country | Name of Agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m ³] | STEL [ppm] | STEL [mg/m ³] | Ceiling-C [ppm] | Ceiling-C [mg/m ³] | Notation | Source |
| US | sodium hydroxide | 1310-73-2 | REL | | | | | | 2 | | NIOSH REL |
| US | sodium hydroxide | 1310-73-2 | TLV® | | | | | | 2 | | ACGIH® 2024 |
| US | sodium hydroxide | 1310-73-2 | PEL | | 2 | | | | | | 29 CFR 1910.1000 |
| US | sodium hydroxide (caustic soda) | 1310-73-2 | PEL (CA) | | | | | | 2 | | Cal/OSHA PEL |

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

8.2 Exposure Controls

Appropriate Engineering Controls

General ventilation.

Individual Protection Measures (Personal Protective Equipment)

Eye/Face Protection

Wear eye/face protection.

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Skin Protection

- Hand Protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Body Protection

Wear suitable protective clothing. Wear suitable face shield.

- Other Protection Measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

Environmental Exposure Controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance

| | |
|----------------|--------|
| Physical State | Liquid |
| Color | Green |
| Foam Color | White |
| Fragrance | Lemon |

Other safety parameters

| | |
|---|-------------------|
| pH (value) | 13.5 (base) |
| Melting Point/Freezing Point | No Data Available |
| Initial boiling point and boiling range | No Data Available |
| Flash Point | >200 °F |
| Evaporation rate | No Data Available |
| Flammability (solid, gas) | No Data Available |
| Vapor pressure | No Data Available |
| Density | 1.094 g/ml |

Solubility(ies)

| | |
|--------------------|----------------------------|
| - Water solubility | Miscible in Any Proportion |
|--------------------|----------------------------|

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Viscosity

| | |
|------------------------------|------------------------------------|
| - Kinematic viscosity | No Data Available |
| Oxidizing Properties | None |
| 9.2 Other Information | There Is No Additional Information |

SECTION 10: Stability and Reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical Stability

See below "Conditions to avoid".

10.3 Possibility of Hazardous Reactions

No known hazardous reactions.

10.4 Conditions to Avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible Materials

Acids, Strong Oxidizers, Reducing Agents, Metals

Release of flammable materials with:

Light metals (due to the release of hydrogen in an acid/alkaline medium)

10.6 Hazardous Decomposition Products

Hazardous combustion products: see section 5.

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects

Test data are not available for the complete mixture.

Classification Procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification Acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute Toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if swallowed.

Skin Corrosion/Irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or Skin Sensitization

May cause an allergic skin reaction.

Germ Cell Mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

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IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

| Name of Substance | CAS No | Classification | Number |
|-------------------|-----------|----------------|--------|
| Orange Terpenes | 5989-27-5 | 3 | |

Legend

3 Not classifiable as to carcinogenicity in humans

Reproductive Toxicity

Shall not be classified as a reproductive toxicant.

Specific Target Organ Toxicity - Single Exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific Target Organ Toxicity - Repeated Exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological Information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

12.2 Persistence and Degradability

No Data Available.

12.3 Bioaccumulative Potential

No Data Available.

12.4 Mobility in Soil

No Data Available.

12.5 Other Adverse Effects

No Data Available.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Sewage Disposal-Relevant Information

Do not empty into drains. Avoid release to the environment.

Waste Treatment of Containers/Packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport Information

14.1 UN Number, Proper Shipping Name, Class and Packing Group

Domestic Ground Non-Bulk Shipments

UN1824, SODIUM HYDROXIDE SOLUTIONS, 8, II

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14.2 Special precautions for user

There Is No Additional Information.

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Reportable quantity (RQ) of Overdrive 3500

13,807 lbs (Sodium hydroxide) (1,4-dioxane)

SECTION 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations Specific for the Product in Question

National Regulations (United States)

Toxic Substance Control Act (TSCA)

all ingredients are listed

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

| Name of Substance | CAS No | Final RQ pounds (Kg) |
|-------------------|-----------|----------------------|
| Sodium hydroxide | 1310-73-2 | 1000 (454) |

Clean Air Act

none of the ingredients are listed

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals

| Name of Substance | Name acc. to inventory | CAS No | Type of the toxicity | Date listed |
|-------------------|------------------------|----------|----------------------|-------------|
| 1,4-dioxane | 1,4-dioxane | 123-91-1 | cancer | 12/31/1987 |

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

| Name of Substance | CAS No | Functionality | Authoritative Lists |
|-------------------|-----------|------------------|------------------------|
| Sodium hydroxide | 1310-73-2 | alkaline builder | OEHHA RELs |
| Orange Terpenes | 5989-27-5 | fragrance | EU Fragrance Allergens |

- Toxic or Hazardous Substance List (MA-TURA)

| Name of Substance | CAS No | DEP CODE | PBT / HHS / LHS | PBT / HHS Threshold | De Minimis Concentration Threshold |
|-------------------|-----------|----------|-----------------|---------------------|------------------------------------|
| Sodium hydroxide | 1310-73-2 | | | | 1.0 % |

- Hazardous Substances List (MN-ERTK)

| Name of Substance | CAS No | References | Remarks |
|-------------------|-----------|------------|---------|
| Sodium hydroxide | 1310-73-2 | A, N, O | |

Legend

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH

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Legend

- N National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer
- O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division

- Hazardous Substance List (NJ-RTK)

| Name of Substance | CAS No | Remarks | Classifications |
|-------------------|-----------|---------|-----------------|
| Sodium hydroxide | 1310-73-2 | | CO R1 |
| Orange Terpenes | 138-86-3 | | F2 |

Legend

- CO Corrosive
- F2 Flammable - Second Degree
- R1 Reactive - First Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

| Name acc. to inventory | CAS No | Classification |
|---------------------------|-----------|----------------|
| SODIUM HYDROXIDE (NA(OH)) | 1310-73-2 | E |

Legend

- E Environmental hazard

- Hazardous Substance List (RI-RTK)

| Name of Substance | CAS No | References |
|-------------------|-----------|------------|
| Sodium hydroxide | 1310-73-2 | T, F |
| Sodium hydroxide | 1310-73-2 | T, F |
| Sodium hydroxide | 1310-73-2 | T, F |

Legend

- F Flammability (NFPA®)
- T Toxicity (ACGIH®)

Industry or Sector Specific Available Guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

| Category | Rating |
|---------------------|--------|
| Chronic | * |
| Health | 3 |
| Flammability | 0 |
| Physical hazard | 0 |
| Personal protection | - |

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NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

| Category | Degree of hazard |
|----------------|------------------|
| Flammability | 0 |
| Health | 3 |
| Instability | 0 |
| Special hazard | |

National inventories

| Country | Inventory | Status |
|---------|-----------|-------------------------------------|
| US | TSCA | all ingredients are listed (ACTIVE) |

Legend

TSCA Toxic Substance Control Act

SECTION 16: Other Information, Including Date of Preparation or Last Revision

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Classification Procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Disclaimer

This information is based on the present state of our knowledge and does not constitute an assurance of product properties nor establishes contract legal rights. All data about health and safety are only for information. They should therefore not be construed as specifications. This SDS has been compiled and is solely intended for this product.