# Safety Data Sheet

**Issue Date:** 13-Dec-2012 **Revision Date:** 17-Mar-2025 **Version** 4

## 1. IDENTIFICATION

**Product identifier**
**Product Name** Buckeye Cert

**Other means of identification**
**SDS #** BE-5295

**Product Code** 5295

**Recommended use of the chemical and restrictions on use**
**Recommended Use** Scouring agent.

**Details of the supplier of the safety data sheet**
**Supplier Address**
Buckeye International, Inc.
2700 Wagner Place
Maryland Heights, MO 63043 USA
Phone: 1-314-291-1900

**Emergency telephone number**
**Company Phone Number** 1-314-291-1900
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** White liquid **Physical state** Liquid **Odor** Mint

**Classification**

| | |
|---|---|
| Skin corrosion/irritation | Category 1 |
| Serious eye damage/eye irritation | Category 1 |

**Signal word**
**Danger**

**Hazard statements**
Causes severe skin burns and eye damage



**Precautionary Statements - Prevention**
Do not breathe dusts or mists
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/clothing and eye/face protection

**Precautionary Statements - Response**
Immediately call a POISON CENTER or doctor
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
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Immediately call a POISON CENTER or doctor
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**
Store locked up

**Precautionary Statements - Disposal**
Dispose of contents/container to an approved waste disposal plant

**Other hazards**
Harmful to aquatic life with long lasting effects

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No. | Weight-% |
|---|---|---|
| Alkylbenzenesulfonic Acid | 68584-22-5 | 1-5 |
| Aluminum Oxide | 1344-28-1 | 0.1-1 |

**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.**

## 4. FIRST AID MEASURES

**Description of first aid measures**

**Eye Contact** Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

**Skin Contact** Wash with plenty of soap and water.

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

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

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Causes severe skin burns and eye damage.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Water spray, BC-powder, carbon dioxide (CO2).

**Unsuitable Extinguishing Media** Water jet.

**Specific Hazards Arising from the Chemical**
Not determined.

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO2).

**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**

| | |
|---|---|
| **Personal Precautions** | Remove persons to safety. |
| **For Emergency Responders** | Wear breathing apparatus if exposed to vapors/dust/aerosols/gases. |

**Environmental precautions**

| | |
|---|---|
| **Environmental precautions** | Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority. See Section 12 for additional Ecological Information. |

**Methods and material for containment and cleaning up**

| | |
|---|---|
| **Methods for Containment** | Covering of drains. |
| **Methods for Clean-Up** | Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage with sawdust, kieselgur (diatomite), sand or universal binder. Place in appropriate containers for disposal. Ventilate area of leak or spill. |

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

| | |
|---|---|
| **Advice on Safe Handling** | Use local and general ventilation. Use only in well-ventilated areas. Keep away from incompatible materials. 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 feeding stuffs. |

**Conditions for safe storage, including any incompatibilities**

| | |
|---|---|
| **Storage Conditions** | Protect from frost. |
| **Incompatible Materials** | Caustic solutions. Oxidizers. |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|---|---|---|---|
| Aluminum Oxide<br>1344-28-1 | TWA: 1 mg/m$^3$ respirable particulate matter | TWA: 15 mg/m$^3$ total dust<br>TWA: 5 mg/m$^3$ respirable fraction<br>(vacated) TWA: 10 mg/m$^3$ total dust<br>(vacated) TWA: 5 mg/m$^3$ respirable fraction | - |

**Appropriate engineering controls**

**Engineering Controls** General ventilation is recommended. Eyewash stations. Showers.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Wear eye/face protection. Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Wear suitable gloves. Chemical protection gloves are suitable. 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. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** In case of inadequate ventilation wear respiratory protection. Refer to 29 CFR 1910.134 for respiratory protection requirements.

**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 | | |
| **Appearance** | White liquid | **Odor** | Mint |
| **Color** | White | **Odor Threshold** | Not determined |

| Property | Values | Remarks • Method |
|---|---|---|
| **pH** | 2.0-2.5 | |
| **Melting point / freezing point** | No data available | |
| **Initial boiling point and boiling range** | No data available | |
| **Flash point** | No data available | |
| **Evaporation rate** | Not determined | |
| **Flammability (Solid, Gas)** | Not determined | |
| **Flammability Limit in Air** | | |
| **Upper flammability or explosive limits** | No data available | |
| **Lower flammability or explosive limits** | No data available | |
| **Vapor Pressure** | Not determined | |
| **Relative vapor density** | No data available | |
| **Relative Density** | 1.2-1.3 | (20°C/68°F) (Water=1) |

| | | |
|---|---|---|
| **Water Solubility** | Not determined | |
| **Property** | **Values** | **Remarks • Method** |
| **Solubility in other solvents** | Not determined | |
| **Partition Coefficient** | Not determined | |
| **Autoignition temperature** | No data available | |
| **Decomposition temperature** | Not determined | |
| **Kinematic viscosity** | Not determined | |
| **Dynamic viscosity** | 30,000-65,000 mPa s | (@20°C/68°F) |
| **Explosive Properties** | Not determined | |
| **Oxidizing Properties** | Not determined | |

## 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.

**Conditions to Avoid**
Incompatible Materials.

**Incompatible materials**
Caustic solutions. Oxidizers.

**Hazardous decomposition products**
Carbon monoxide. Carbon dioxide (CO2).

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Avoid contact with skin.

**Inhalation** Do not inhale.

**Ingestion** Do not ingest.

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Alkylbenzenesulfonic Acid 68584-22-5 | = 775 mg/kg ( Rat ) | = 2000 mg/kg ( Rabbit ) | - |
| Aluminum Oxide 1344-28-1 | > 5000 mg/kg ( Rat ) | - | - |

**Symptoms related to the physical, chemical and toxicological characteristics**

**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**

**Skin corrosion/irritation** Causes severe skin burns.

**Serious eye damage/eye irritation** Causes severe eye damage.

**Carcinogenicity** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

**The following values are calculated based on chapter 3.1 of the GHS document**

**ATEmix (oral)** 15,033.90 mg/kg

**ATEmix (dermal)** 40,000.00 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**Component Information**

| Chemical name | Algae/aquatic plants | Fish | Crustacea |
|---|---|---|---|
| Alkylbenzenesulfonic Acid 68584-22-5 | | LC50: =3mg/L (96h, Oncorhynchus mykiss) | EC50: =2.9mg/L (48h, Daphnia magna) |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

There is no data for this product.

**Mobility**

| Chemical name | Partition coefficient |
|---|---|
| Alkylbenzenesulfonic Acid 68584-22-5 | 2 |

**Other adverse effects**

Not determined

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

**Disposal of Wastes** Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

**Contaminated Packaging** Completely emptied packages can be recycled. Handle contaminated packages in the way as the substance itself.

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated
**IATA** Not regulated

**IMDG** Not regulated

## 15. REGULATORY INFORMATION

**International Inventories**

| Chemical name | TSCA | TSCA Inventory Status | DSL/NDSL | EINECS/ELINCS | ENCS | IECSC | KECL | PICCS | AIIC |
|---|---|---|---|---|---|---|---|---|---|
| Alkylbenzenesulfonic Acid | X | ACTIVE | X | X | X | X | X | X | X |
| Aluminum Oxide | X | ACTIVE | X | X | X | X | X | X | X |

**Legend:**

***TSCA*** *- United States Toxic Substances Control Act Section 8(b) Inventory*

***DSL/NDSL*** *- Canadian Domestic Substances List/Non-Domestic Substances List*

***EINECS/ELINCS*** *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

***ENCS*** *- Japan Existing and New Chemical Substances*

***IECSC*** *- China Inventory of Existing Chemical Substances*

***KECL*** *- Korean Existing Chemicals Inventory*

***PICCS*** *- Philippines Inventory of Chemicals and Chemical Substances*

***AICS*** *- Australian Inventory of Chemical Substances*

**US Federal Regulations**

**CERCLA**
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name | CAS No. | Weight-% | SARA 313 - Threshold Values % |
|---|---|---|---|
| Aluminum Oxide - 1344-28-1 | 1344-28-1 | 0.1-1 | 1.0 |

**CWA (Clean Water Act)**
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**
This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| Aluminum Oxide 1344-28-1 | X | X | X |

## 16. OTHER INFORMATION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health hazards** | **Flammability** | **Instability** | **Special hazards** |
| | 3 | 1 | 0 | - |
| **HMIS** | **Health hazards** | **Flammability** | **Physical hazards** | **Personal Protection** |
| | 3 | 1 | 0 | Not determined |

***Chronic Hazard Star Legend*** ** = Chronic Health Hazard*

**Issue Date:** 13-Dec-2012
**Revision Date:** 17-Mar-2025
**Revision Note:** Updated formula

**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.**

**End of Safety Data Sheet**