



Revision Number: 003.2

Issue date: 07/11/2014

1. PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|----------------------------|---|-----------------------------|--|
| Product name: | BONDERITE C-AK 1520R ALKALINE CLEANER known as PARCO CLEANER 1520R | IDH number: | 687506 |
| Product type: | Alkaline Cleaner for Industrial Application | Region: | United States |
| Restriction of Use: | None identified | Contact information: | |
| Company address: | Henkel Corporation 32100 Stephenson Highway Madison Heights, MI 48071 | | Telephone: 248.583.9300 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com |

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

DANGER: HARMFUL IF SWALLOWED.
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

| HAZARD CLASS | HAZARD CATEGORY |
|---------------------|-----------------|
| ACUTE TOXICITY ORAL | 4 |
| SKIN CORROSION | 1B |
| SERIOUS EYE DAMAGE | 1 |

PICTOGRAM(S)**Precautionary Statements**

| | |
|--------------------|--|
| Prevention: | Do not breathe vapors, mist, or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, eye protection, and face protection. |
| Response: | If SWALLOWED: Immediately call poison control or physician if you feel unwell. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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 control center or physician. Wash contaminated clothing before reuse. |
| Storage: | Store locked up. |
| Disposal: | Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations. |

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

IDH number: 687506

Product name: BONDERITE C-AK 1520R ALKALINE CLEANER known as PARCO CLEANER 1520R

| Hazardous Component(s) | CAS Number | Percentage* |
|------------------------------|-------------|-------------|
| Potassium hydroxide | 1310-58-3 | 10 - 30 |
| Sodium silicate | 1344-09-8 | 5 - 10 |
| Tetrapotassium pyrophosphate | 7320-34-5 | 1 - 5 |
| Dipotassium octenylsuccinate | Proprietary | 1 - 5 |

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

| | |
|----------------------|--|
| Inhalation: | If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention. |
| Skin contact: | Remove contaminated clothing and footwear. For skin contact, flush with large amounts of water. Seek immediate medical attention. |
| Eye contact: | In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention. |
| Ingestion: | Get immediate medical attention. Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions. |
| Symptoms: | See Section 11. |

5. FIRE FIGHTING MEASURES

| | |
|---|--|
| Extinguishing media: | Use media appropriate for surrounding material. |
| Special firefighting procedures: | Wear full protective clothing. Wear self-contained breathing apparatus. |
| Unusual fire or explosion hazards: | This product is an aqueous mixture which will not burn. |
| Hazardous combustion products: | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

| | |
|-----------------------------------|--|
| Environmental precautions: | Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Block any potential routes to water systems. |
| Clean-up methods: | Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations. |

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Do not take internally. Wash thoroughly after handling. For industrial use only. NEVER ADD WATER TO PRODUCT. For dilutions, add product slowly to water while stirring. Use caution; heat may be generated.

Storage: For safe storage, store at or above 40 °F (4.4 °C)
Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Thaw and mix thoroughly if frozen.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

| Hazardous Component(s) | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|------------------------------|-----------------|----------|-----------|-------|
| Potassium hydroxide | 2 mg/m3 Ceiling | None | None | None |
| Sodium silicate | None | None | None | None |
| Tetrapotassium pyrophosphate | None | None | None | None |
| Dipotassium octenylsuccinate | None | None | None | None |

Engineering controls: Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Respiratory protection: If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Eye/face protection: Wear chemical goggles; face shield (if splashing is possible).

Skin protection: Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---------------------------|
| Physical state: | Liquid |
| Color: | Amber |
| Odor: | Slight |
| Odor threshold: | Not available. |
| pH: | 13.1 - 13.3 (4% solution) |
| Vapor pressure: | Not determined |
| Boiling point/range: | > 100 °C (> 212°F) |
| Melting point/ range: | Not determined |
| Specific gravity: | 1.36 - 1.39 |
| Vapor density: | Not determined |
| Flash point: | Not applicable |
| Flammable/Explosive limits - lower: | Not applicable |
| Flammable/Explosive limits - upper: | Not applicable |
| Autoignition temperature: | Not applicable |
| Evaporation rate: | Not determined |
| Solubility in water: | Complete |
| Partition coefficient (n-octanol/water): | Not determined |
| VOC content: | Not determined |
| Viscosity: | Not available. |
| Decomposition temperature: | Not available. |

10. STABILITY AND REACTIVITY

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|--|--|
| Stability: | Stable at normal conditions. |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| Incompatible materials: | This product reacts with acids. Adding water to this product may cause localized overheating and splattering. |
| Reactivity: | Not available. |
| Conditions to avoid: | None identified. |

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

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|----------------------|--|
| Inhalation: | Mists, vapors or liquid may cause severe irritation or burns. |
| Skin contact: | Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns. |
| Eye contact: | This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness. |
| Ingestion: | This product may produce corrosive damage to the gastrointestinal tract if it is swallowed. |

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|------------------------------|---|--------------------------------------|
| Potassium hydroxide | Oral LD50 (RAT) = 273 mg/kg Oral LD50 (RAT) = 1.23 g/kg | Corrosive, Irritant |
| Sodium silicate | Oral LD50 (RAT) = 1,100 - 1,600 mg/kg Oral LD50 (RAT) = 1.1 g/kg | Corrosive, Irritant |
| Tetrapotassium pyrophosphate | None | No Target Organs |
| Dipotassium octenylsuccinate | None | No Records |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|------------------------------|----------------|-----------------|---|
| Potassium hydroxide | No | No | No |
| Sodium silicate | No | No | No |
| Tetrapotassium pyrophosphate | No | No | No |
| Dipotassium octenylsuccinate | No | No | No |

12. ECOLOGICAL INFORMATION

Ecological information: Because of the high pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal. This product contains a chelating agent. This chemical contains phosphates.

Hazardous waste number: This product, if discarded directly, would be a characteristic RCRA corrosive waste (D002).

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Potassium hydroxide, solution
Hazard class or division: 8
Identification number: UN 1814
Packing group: II
DOT Hazardous Substance(s): Potassium hydroxide

International Air Transportation (ICAO/IATA)

Proper shipping name: Potassium hydroxide solution
Hazard class or division: 8
Identification number: UN 1814
Packing group: II

Water Transportation (IMO/IMDG)

Proper shipping name: POTASSIUM HYDROXIDE SOLUTION
Hazard class or division: 8
Identification number: UN 1814
Packing group: II

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification: None above reporting de minimis

CERCLA/SARA Section 302 EHS: None above reporting de minimis
CERCLA/SARA Section 311/312: Immediate Health, Reactive
CERCLA/SARA Section 313: None above reporting de minimis
CERCLA Reportable quantity: Potassium hydroxide (CAS# 1310-58-3) 1,000 lbs. (454 kg)

California Proposition 65: This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by: Cheryl Neason, Regulatory Affairs Specialist
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