P&G Chemicals
Delivering solutions, creating value

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** **TA-1618BL**

**Manufacturer**
The Procter & Gamble Company
Procter & Gamble Chemicals
Sharon Woods Innovation Center
11530 Reed Hartman Highway
Cincinnati, Ohio 45241
1-800-477-8899 or 1-513-626-6882
PGChemMSDS.IM@pg.com
CHEMTREC: 1-800-424-9300 U.S. and Canada
CHEMTREC: 1-703-527-3887 For calls originating elsewhere

**Version #** 03

**Revision date** 04-29-2010

**CAS #** Mixture

**MSDS Number** ALCH454

**Synonym(s)** Cetyl and stearyl alcohol mixture

## 2. Hazards Identification

**Emergency overview** Potential combustible dust if flaked or powdered. Dust generated from flaked product will be combustible at sufficient concentration.

**OSHA regulatory status** This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

**Potential health effects**

**Routes of exposure** Not available.

**Specific hazards** Potential combustible dust if flaked or powdered. Dust generated from flaked product will be combustible at sufficient concentration.

**Potential environmental effects** May cause long-term adverse effects in the environment.

## 3. Composition / Information on Ingredients

| Components | CAS # | Percent |
|---|---|---|
| 1-HEXADECANOL | 36653-82-4 | 23-35 |
| 1-OCTADECANOL | 112-92-5 | 65-77 |

| Additional components | CAS # | Percent |
|---|---|---|
| 1-EICOSANOL | 629-96-9 | < 1.5 |
| 1-TETRADECANOL | 112-72-1 | < 1.5 |

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Rinse with water. Get medical attention if irritation develops or persists.

**Skin contact** Rinse skin with water/shower. Get medical attention if irritation develops or persists.

**Inhalation** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

**Ingestion** Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

## 5. Fire Fighting Measures

| | |
|---|---|
| **Flammable properties** | Not flammable by OSHA criteria. Not combustible by OSHA criteria. |
| **Extinguishing media** | |
| **Suitable extinguishing media** | Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). |
| **Special protective equipment for fire-fighters** | Wear suitable protective equipment. |
| **Specific methods** | In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers. |

## 6. Accidental Release Measures

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|---|---|
| **Personal precautions** | Keep unnecessary personnel away. |
| **Environmental precautions** | Prevent further leakage or spillage if safe to do so. Do not contaminate water. |
| **Methods for containment** | ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). |
| **Methods for cleaning up** | Should not be released into the environment. Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Following product recovery, flush area with water. |

## 7. Handling and Storage

| | |
|---|---|
| **Handling** | DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Avoid release to the environment. |
| **Storage** | Keep away from heat, sparks and open flame. |

## 8. Exposure Controls / Personal Protection

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|---|---|
| **Personal protective equipment** | |
| **Eye / face protection** | Not normally needed. |
| **Skin protection** | No special protective equipment required. |
| **Respiratory protection** | No personal respiratory protective equipment normally required. |
| **General hygiene considerations** | Handle in accordance with good industrial hygiene and safety practice. |

## 9. Physical & Chemical Properties

| | |
|---|---|
| **Appearance** | Solid. Flakes. Powder. |
| **Color** | White. |
| **Odor** | Mild. Soapy. |
| **Odor threshold** | Not available. |
| **Physical state** | Solid. |
| **Form** | Solid. |
| **pH** | Not available. |
| **Melting point** | 122 °F (50 °C) estimated |
| **Freezing point** | Not available. |
| **Boiling point** | > 480.2 °F (> 249 °C) 101.3232 kPa |
| **Flash point** | 320 °F (160 °C) Pensky-Martens Closed Cup |
| **Evaporation rate** | Not available. |
| **Flammability limits in air, upper, % by volume** | Not available. |
| **Flammability limits in air, lower, % by volume** | Not available. |
| **Vapor pressure** | < 1 mm Hg at 22°C |
| **Vapor density** | Not available. |
| **Specific gravity** | 0.8142 estimated |
| **Relative density** | Not available. |
| **Solubility (water)** | Negligible at 72 F (22 C) |

| | |
|---|---|
| **Partition coefficient (n-octanol/water)** | Not available |
| **Auto-ignition temperature** | Not available. |
| **Decomposition temperature** | Not available. |
| **VOC** | Not available. |

## 10. Chemical Stability & Reactivity Information

| | |
|---|---|
| **Chemical stability** | Material is stable under normal conditions. |
| **Conditions to avoid** | Heat, flames and sparks. |
| **Materials to avoid** | Strong oxidizing agents. |
| **Hazardous decomposition products** | Does not decompose up to 400 F. Complete combustion forms carbon dioxide and water vapor. Partial combustion forms also carbon monoxide, soot, aldehydes and ketones. |
| **Hazardous polymerization** | Hazardous polymerization does not occur. |

## 11. Toxicological Information

**Toxicological data**

| Product | Test Results |
|---|---|
| TA-1618BL (Mixture) | Acute Dermal LD50 Guinea pig: 34483 mg/kg |
| | Acute Dermal LD50 Rabbit: 4.2254 g/kg |
| | Acute Oral LD50 Mouse: 16552 mg/kg |
| | Acute Oral LD50 Rat: 5807 mg/kg |
| | Acute Oral LD50 Rat: 28.17 g/kg |
| | Acute Other LD50 Mouse: 5517 mg/kg |

| Additional components | Test Results |
|---|---|
| 1-TETRADECANOL (112-72-1) | Dermal Human: 75 mg 3.00 days -I MOD (Irritation Data) |
| | Other MLD Rabbit: 500 mg Eye Irritation |
| | Acute Dermal LD50 Rabbit: > 5 g/kg |
| | Acute Oral LD50 Rat: > 5 g/kg |

| | |
|---|---|
| **Chronic effects** | Not available. |
| **Carcinogenicity** | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |
| **Skin corrosion/irritation** | Not available. |
| **Epidemiology** | Not available. |
| **Neurological effects** | Not available. |

## 12. Ecological Information

**Ecotoxicological data**

| Product | Test Results |
|---|---|
| TA-1618BL (Mixture) | Fathead minnow (Pimephales promelas): >= 500 mg/l 5.00 days |
| | LC50 Bluegill (Lepomis macrochirus): 1000 mg/l 96.00 hours |
| | LC50 Fish: 1000 mg/l 96.00 hours |

| Components | Test Results |
|---|---|
| 1-OCTADECANOL (112-92-5) | LC50 Bluegill (Lepomis macrochirus): >= 1000 mg/l 96.00 hours |
| 1-HEXADECANOL (36653-82-4) | Fathead minnow (Pimephales promelas): > 500 mg/l 5.00 days Berger, 1958 |
| | LC50 Bluegill (Lepomis macrochirus): > 1000 mg/l 96.00 hours |

| | |
|---|---|
| **Ecotoxicity** | Components of this product have been identified as having potential environmental concerns. |
| **Environmental effects** | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. |

## 13. Disposal Considerations

**Disposal instructions** Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

## 14. Transport Information

**DOT**

Not regulated as dangerous goods.

## 15. Regulatory Information

**US federal regulations** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Inventory status**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Contains no California Prop 65 chemicals.

**US - New Jersey Community RTK (EHS Survey): Reportable threshold**

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

Contains no Pennsylvania Right To Know hazardous substances

## 16. Other Information

**Further information** HMIS® is a registered trade and service mark of the NPCA.

| | |
|---|---|
| **HMIS® ratings** | Health: 0<br>Flammability: 1<br>Physical hazard: 0 |
| **NFPA ratings** | Health: 0<br>Flammability: 1<br>Instability: 0 |
| **Disclaimer** | The submission of the MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied are for use only in connection with occupational safety and health.<br><br>The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific product designated herein, and does not relate to use in combination with any other material of any other process. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the controlled product. |
| **Issue date** | 04-29-2010 |
| **This data sheet contains changes from the previous version in section(s):** | Product and Company Identification: Product and Company Identification<br>Other Information: Disclaimer |