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

1.1. Product identifier
Product form : Mixture
Product name : Kennel Kare Detergent/Disinfectant
Product code : 9527

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : Disinfectant

1.3. Details of the supplier of the safety data sheet
Health Technology Professional Products Inc.
11614 Sterling Ave Unit 101
Riverside, CA 92503 - USA
T (800) 424-7536 - F (951) 352-1310

1.4. Emergency telephone number
Emergency number (800) 424-7536

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (GHS-US)
Skin Irrit. 2 H315
Eye Dam. 1 H318
Full text of H-phrases: see section 16

2.2. Label elements
GHS-US labeling
Signal word : Danger
Hazard pictograms :

GHS05

Hazard statements : Causes skin irritation.
Causes serious eye damage.
Precautionary statements : Wash hands and forearms thoroughly after handling.
Wear eye protection, protective gloves.
If on skin: Wash with plenty of 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.

2.3. Hazard not otherwise classified (HNOC)
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

3.2. Mixture
<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>tetrapotassium pyrophosphate</td>
<td>(CAS No) 7320-34-5</td>
<td>5-10</td>
<td>Eye Irrit. 2A, H319</td>
</tr>
</tbody>
</table>
### 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 | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice. |
| First-aid measures after skin contact | If skin irritation or rash occurs: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation persists, get medical attention. |
| First-aid measures after eye contact | 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. |
| 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. May cause moderate irritation.
- **Symptoms/injuries after eye contact**: Causes serious eye damage. FOLLOWING SYMPTOMS MAY APPEAR LATER: Gastrointestinal complaints. Irritation of the gastric/intestinal mucosa. Irritation of the oral mucous membranes. Nausea.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

| Unsuitable extinguishing media | Do not use a heavy water stream. |

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

| General measures | Isolate from fire, if possible, without unnecessary risk. |
| **For non-emergency personnel** | Protective equipment: Protective goggles. Protective gloves. Protective clothing. |
| **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.

6.3. Methods and material for containment and cleaning up
For containment : Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Wash down leftovers with plenty of water. Wash clothing and equipment after handling.

6.4. Reference to other sections
See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Do not breathe mist, vapors. Ensure good ventilation of the work station. Observe normal hygiene standards. Provide local exhaust or general room ventilation. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and forearms thoroughly after handling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures : Provide local exhaust or general room ventilation. Comply with applicable regulations.
Storage area : Store in a cool, dry well-ventilated area. Keep container tightly closed when not in use.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
No data 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 : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. In case of insufficient ventilation, wear suitable respiratory equipment.
Other information : When using, do not eat, drink or smoke.
Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties
Physical state : Liquid
Color : Clear yellow
Odor : Lemon
Odor threshold : No data available
pH : 12.8 - 13.8
Melting point : No data available
Freezing point : No data available
Boiling point : > 212 °F
Flash point : > 200 °F
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : No data available
Explosive limits : No data available
### SECTION 10: Stability and reactivity

**10.1. Reactivity**
No additional information available

**10.2. Chemical stability**
Stable under recommended conditions.

**10.3. Possibility of hazardous reactions**
Not established.

**10.4. Conditions to avoid**
Extremely high or low temperatures.

**10.5. Incompatible materials**
Strong acids. Oxidizers.

**10.6. Hazardous decomposition products**

### SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**Acute toxicity**
- Not classified

- **tetrapotassium pyrophosphate (7320-34-5)**
  - LD50 dermal rabbit: > 4640 mg/kg (Rabbit)

- **alcohols, C12-15, ethoxylated (68131-39-5)**
  - LD50 oral rat: > 200 mg/kg
  - LD50 dermal rabbit: > 2000 mg/kg

- **alkyl dimethyl benzyl ammonium chloride (C12-18) (68391-01-5)**
  - ATE US (oral): 500,000 mg/kg body weight

- **C12-C14-alkyl(ethylbenzyl)dimethylammonium chloride (85409-23-0/68956-79-6)**
  - ATE US (oral): 500,000 mg/kg body weight
  - ATE US (dermal): 1100,000 mg/kg body weight

- **disodium metasilicate, pentahydrate (10213-79-3)**
  - LD50 oral rat: 847 mg/kg
  - ATE US (oral): 847,000 mg/kg body weight

**Skin corrosion/irritation**
- Causes skin irritation.
  - pH: 12.8 - 13.8

**Serious eye damage/irritation**
- Causes serious eye damage.
  - pH: 12.8 - 13.8

**Respiratory or skin sensitization**
- Not classified

**Germ cell mutagenicity**
- Not classified

- Based on available data, the classification criteria are not met

**Carcinogenicity**
- Not classified
Reproductive toxicity: Not classified
Based on available data, the classification criteria are not met

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. May cause moderate irritation.
Symptoms/injuries after eye contact: Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Compound</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>EC50 other aquatic organisms 1</th>
<th>EC50 other aquatic organisms 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>tetrapotassium pyrophosphate</td>
<td>&gt; 750 mg/l (48 h; Leuciscus idus)</td>
<td>1.3 mg/l (ACTIVATED SLUDGE; ESTIMATED VALUE)</td>
<td>0.7 mg/l (ALGAE; ESTIMATED VALUE)</td>
<td>&gt; 100 mg/l (ACTIVATED SLUDGE; ESTIMATED VALUE)</td>
</tr>
<tr>
<td>alcohols, C12-15, ethoxylated</td>
<td>1.2 mg/l (PISCES; ESTIMATED VALUE)</td>
<td>210 mg/l (96 h; Brachydanio rerio; Anhydrous form)</td>
<td>216 mg/l (96 h; Daphnia magna; Anhydrous form)</td>
<td>2320 mg/l (96 h; Gambusia affinis; Anhydrous form)</td>
</tr>
<tr>
<td>disodium metasilicate, pentahydrate</td>
<td>210 mg/l (96 h; Brachydanio rerio; Anhydrous form)</td>
<td>216 mg/l (96 h; Daphnia magna; Anhydrous form)</td>
<td>2320 mg/l (96 h; Gambusia affinis; Anhydrous form)</td>
<td>632 mg/l (96 h; Lymnaea sp.; Anhydrous form)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Compound</th>
<th>Persistence and degradability</th>
<th>Biochemical oxygen demand (BOD)</th>
<th>Chemical oxygen demand (COD)</th>
<th>ThOD</th>
<th>BOD (% of ThOD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>tetrapotassium pyrophosphate</td>
<td>Biodegradability: not applicable.</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>alcohols, C12-15, ethoxylated</td>
<td>Literature reports: readily degradable in water. test: 81 %, OECD 302B Zahn- Well . Biodegradability in soil: no data available.</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Compound</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>tetrapotassium pyrophosphate</td>
<td>Bioaccumulation: not applicable.</td>
</tr>
<tr>
<td>alcohols, C12-15, ethoxylated</td>
<td>Log Pow 3.0</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Kennel Kare Detergent/Disinfectant**

**Safety Data Sheet**

<table>
<thead>
<tr>
<th>disodium metasilicate, pentahydrate (10213-79-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
</tr>
<tr>
<td>No bioaccumulation data available.</td>
</tr>
</tbody>
</table>

**12.4. Other adverse effects**

Other information: Avoid release to the environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

- Waste disposal recommendations: Dispose of contents/container in accordance with Local, State, and Federal regulations.
- Ecology - waste materials: Avoid release to the environment.

**SECTION 14: Transport information**

**14.1. UN Number**

UN-No.(DOT): Not Regulated

Other information: No supplementary information available

**14.2. UN proper shipping name**

DOT Proper Shipping Name: Not Regulated

**SECTION 15: Regulatory information**

**15.1. US Federal regulations**

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>tetrapotassium pyrophosphate (7320-34-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>SARA Section 311/312 Hazard Classes</td>
</tr>
</tbody>
</table>

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<tr>
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<tr>
<td>SARA Section 311/312 Hazard Classes</td>
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<table>
<thead>
<tr>
<th>disodium metasilicate, pentahydrate (10213-79-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disodium metasilicate, pentahydrate the anhydrous form of this material is listed on the EPA TSCA inventory under the CAS no. 6834-92-0.</td>
</tr>
<tr>
<td>EPA Registration Number: 1839-101-69146</td>
</tr>
</tbody>
</table>

**15.2. International regulations**

**CANADA**

**EU-Regulations**

No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

**Classification according to Directive 67/548/EEC or 1999/45/EC**

Not classified

**15.2.2. National regulations**

<table>
<thead>
<tr>
<th>disodium metasilicate, pentahydrate (10213-79-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disodium metasilicate, pentahydrate the anhydrous form of this material is listed on the EPA TSCA inventory under the CAS no. 6834-92-0.</td>
</tr>
<tr>
<td>EPA Registration Number: 1839-101-69146</td>
</tr>
</tbody>
</table>
**EPA Comments**

This chemical is a pesticide registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS.**

DANGER KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, rubber gloves and protective clothing. Harmful if swallowed. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**15.3. US State regulations**

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

**Prop 65 Comments**

:Formaldehyde (CAS#50-00-0): < 25 ppm

---

**SECTION 16: Other information**

**Abbreviations Legend:**

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Dermal)</td>
<td>Acute toxicity (dermal) Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral) Category 4</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 1</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>Skin corrosion/irritation Category 1B</td>
</tr>
<tr>
<td>Skin Corr. 1C</td>
<td>Skin corrosion/irritation Category 1C</td>
</tr>
</tbody>
</table>
## Skin Irrit. 2
- Skin corrosion/irritation Category 2

## STOT SE 3
- Specific target organ toxicity (single exposure) Category 3

## H302
- Harmful if swallowed

## H312
- Harmful in contact with skin

## H314
- Causes severe skin burns and eye damage

## H315
- Causes skin irritation

## H318
- Causes serious eye damage

## H319
- Causes serious eye irritation

## H335
- May cause respiratory irritation

## H400
- Very toxic to aquatic life

## H410
- Very toxic to aquatic life with long lasting effects

### Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Revision date: 06/03/2015  Version: 1.0