

# Material Safety Data Sheet

ARTEC



## 1. Product and company identification

Trade name of product : ARTEC  
Product use : Teat dip

Product dilution information : Not applicable

Supplier's information : Ecolab Inc. Food & Beverage Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-392-3392

Code : 901865-01  
Date of issue : 15-December-2011

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

## 2. Hazards identification

**Product AS SOLD**  
**Physical state** : Liquid.  
**Emergency overview** : CAUTION !  
  
MAY CAUSE EYE AND SKIN IRRITATION.  
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Product AT USE DILUTION**  
Product is sold ready to use.

### Potential acute health effects

**Product AS SOLD**  
**Eyes** : Moderately irritating to eyes.  
**Skin** : Moderately irritating to the skin.  
**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

**Product AT USE DILUTION**  
Product is sold ready to use.

See toxicological information (Section 11)

## 3. Composition/information on ingredients

### Product AS SOLD

| <u>Name</u>    | <u>CAS number</u> | <u>% by weight</u> |
|----------------|-------------------|--------------------|
| GLYCERIN       | 56-81-5           | 5 - 20             |
| heptanoic acid | 111-14-8          | 1 - 5              |

### Product AT USE DILUTION

| <u>Name</u>                   | <u>CAS number</u> | <u>% by weight</u> |
|-------------------------------|-------------------|--------------------|
| Product is sold ready to use. |                   |                    |

## 4. First aid measures

**Product AS SOLD**  
**Eye contact** : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.  
**Skin contact** :

**Product AT USE DILUTION**  
Product is sold ready to use.

## 4. First aid measures

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Inhalation** : No special measures required. Treat symptomatically.

**Ingestion** : Get medical attention if symptoms occur.

## 5. Fire-fighting measures

### Product AS SOLD

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff.

In a fire or if heated, a pressure increase will occur and the container may burst.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

**Personal precautions** : Use personal protective equipment as required.

**Environmental precautions** : Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

**Methods for cleaning up** : Use a water rinse for final clean-up.

### Product AT USE DILUTION

Product is sold ready to use.

## 7. Handling and storage

**Handling** : Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Storage** : Keep out of reach of children. Store in a closed container.

Store between the following temperatures: -30 and 50°C

### Product AT USE DILUTION

Product is sold ready to use.

## 8. Exposure controls/personal protection

**Engineering measures** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protection

**Eyes** : Eye protection should be used when splashing may occur.

**Hands** : For prolonged or repeated handling, use the following type of gloves: Impervious gloves.

**Skin** : No protective equipment is needed under normal use conditions.

**Respiratory** : No special protection is required.

### Product AT USE DILUTION

Product is sold ready to use.

Product is sold ready to use.

## 8. Exposure controls/personal protection

| Ingredient | Exposure limits  |
|------------|--|
| GLYCERIN   | <b>ACGIH TLV (United States, 2/2010).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hour(s). Form: Inhalable fraction<br><b>OSHA PEL (United States, 6/2010).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hour(s). Form: Respirable fraction<br>TWA: 15 mg/m <sup>3</sup> 8 hour(s). Form: Total dust |

## 9. Physical and chemical properties

| Product AS SOLD                   |  | Product AT USE DILUTION       |
|-----------------------------------|--|-------------------------------|
| <b>Physical state</b>             | : Liquid.  | Product is sold ready to use. |
| <b>Flash point</b>                | : > 100°C<br>Product does not support combustion.                          |                               |
| <b>Color</b>                      | : Blue   |                               |
| <b>Odor</b>                       | : Sweetish   |                               |
| <b>pH</b>                         | : 4.5 [Conc. (% w/w): 100%]  |                               |
| <b>Boiling/condensation point</b> | : >100°C (>212°F)  |                               |
| <b>Relative density</b>           | : 1.071  |                               |
| <b>Dispersibility properties</b>  | : Easily dispersible in the following materials: cold water and hot water. |                               |
| <b>Solubility</b>                 | : Easily soluble in the following materials: cold water and hot water.     |                               |

## 10. Stability and reactivity

| Product AS SOLD                         |   |
|---|---|
| <b>Stability</b>                        | : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur. |
| <b>Reactivity</b>                       | : Slightly reactive or incompatible with the following materials: alkalis.                                    |
| <b>Hazardous decomposition products</b> | : Under normal conditions of storage and use, hazardous decomposition products should not be produced.        |
| <b>Hazardous polymerization</b>         | : Under normal conditions of storage and use, hazardous polymerization will not occur.                        |

## 11. Toxicological information

### Potential acute health effects

| Product AS SOLD              |   | Product AT USE DILUTION       |
|------------------------------|---|-------------------------------|
| <b>Eyes</b>                  | : Moderately irritating to eyes.  | Product is sold ready to use. |
| <b>Skin</b>                  | : Moderately irritating to the skin.  |                               |
| <b>Inhalation</b>            | : No known significant effects or critical hazards.   |                               |
| <b>Ingestion</b>             | : No known significant effects or critical hazards.   |                               |
| <b>Product AS SOLD</b>       |   |                               |
| <b>Other adverse effects</b> |   |                               |
| <b>Target organs</b>         | : Contains material which may cause damage to the following organs: kidneys, upper respiratory tract. |                               |

## 12. Ecological information

Ecotoxicity : Not reported

## 13. Disposal considerations

### Product AS SOLD

**Waste disposal** : Diluted product can be flushed to sanitary sewer.  
Discard empty container in trash.

### Product AT USE DILUTION

Product is sold ready to use.

## 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### Product AS SOLD

DOT Classification : Not regulated.

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

## 15. Regulatory information

### Product AS SOLD

**HCS Classification** : Irritating material  
Target organ effects

### Product AS SOLD

#### U.S. Federal regulations

**TSCA 8(b) inventory** : All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances**: No listed substance

**SARA 302/304 emergency planning and notification**: No listed substance

#### SARA 313

#### Product name

#### CAS number

#### Concentration

**Form R - Reporting requirements** : No listed substance

**California Prop. 65** : No listed substance

### Product AT USE DILUTION

Product is sold ready to use.

## 16. Other information

### Product AS SOLD

**Hazardous Material Information System (U.S.A.)** :

|                  |   |
|------------------|---|
| Health           | 1 |
| Flammability     | 0 |
| Physical hazards | 0 |
|                  |   |

**National Fire Protection Association (U.S.A.)** :



## 16. Other information

Date of issue : 15-December-2011

Responsible name : Regulatory Affairs  
1-800-352-5326

☑ Indicates information that has changed from previously issued version.

### Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**