

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|                     |                                      |                  |                        |
|---------------------|--------------------------------------|------------------|------------------------|
| <b>PRODUCT NAME</b> | SSS SPARKLE MATE HIGH TEMP DETERGENT |                  |                        |
| <b>PRODUCT CODE</b> | 17028                                | MANUFACTURED FOR | Triple S               |
| <b>ISSUE DATE</b>   | 06/14/01                             | STREET ADDRESS   | 2 Executive Park Drive |
| <b>SUPERCEDES</b>   | 05/10/01                             | CITY, STATE ZIP  | Billerica, MA 01862    |
|                     |                                      | PHONE            | (978) 667 7900         |

**EMERGENCY TELEPHONE NUMBER**  
1-800-535-5053

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENTS | CAS No.   | OSHA PEL/TLV | EXPOSURE LIMITS     |      | OTHER LIMITS |
|-----------------------|-----------|--------------|---------------------|------|--------------|
|                       |           |              | ACGIH TLV           | STEL |              |
| Potassium Hydroxide   | 1310-58-3 | 2MG/M3       | 2 mg/m <sup>3</sup> | NE   | NA           |

## SECTION 3 – HAZARDS IDENTIFICATION

|                           |  |
|---------------------------|--|
| <b>EMERGENCY OVERVIEW</b> | Causes severe burns to skin, eyes and mucous membranes and gastric mucosa. |
|---------------------------|--|

|                                 |   |
|---------------------------------|---|
| <b>POTENTIAL HEALTH EFFECTS</b> |   |
| <b>INGESTION</b> .....          | Severe burns to oral and gastric mucosa |
| <b>INHALATION</b> .....         | Severe burns to mucous membranes        |
| <b>EYE CONTACT</b> .....        | Severe burns                            |
| <b>SKIN CONTACT</b> .....       | Severe burns                            |

## SECTION 4 – FIRST AID MEASURES

|                   |  |
|-------------------|--|
| INGESTION         | Drink large quantities of milk or water. DO NOT INDUCE VOMITING. See a physician immediately.                  |
| INHALATION        | Not likely to occur under conditions of use.   |
| EYE CONTACT       | Flush with water for 15 minutes. See a physician immediately.  |
| SKIN CONTACT      | Flush with large amounts of water, neutralize with diluted vinegar. If serious burns develop, see a physician. |
| NOTE TO PHYSICIAN | Treatment based on judgment of the physician in response to reactions of the patient.                          |

## SECTION 5 – FIRE FIGHTING MEASURES

|                                  |  |                  |    |
|----------------------------------|--|------------------|----|
| FLASH POINT / METHOD             | NA   | FLAMMABLE LIMITS | NA |
| % VOLATILE                       | NA   |                  |    |
| EXTINGUISHING MEDIA              | Water mist, dry chemical, CO2, alcohol foam.   |                  |    |
| SPECIAL FIRE FIGHTING PROCEDURES | Firefighters should wear a self-contained breathing apparatus as in all chemical fires.                            |                  |    |
| FIRE AND EXPLOSION HAZARDS       | Concentrated solution may react with aluminum and zinc to form hydrogen, which can form explosive mixtures in air. |                  |    |

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**RESPONSE  
TO SPILLS

Stop leak, dilute material spilled with diluted acetic acid (vinegar) to less than pH 10.

**SECTION 7 – HANDLING AND STORAGE**HANDLING  
PRECAUTIONSWash hands before eating.  
Keep container tightly closed when not in use.STORAGE  
PRECAUTIONS

Keep containers closed when not in use. Store in a dry, cool place.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTIONS**

## HYGIENIC PRACTICES

Normal procedures for good hygiene. Observe label precautions. Use personal protection equipment.

## ENGINEERING CONTROLS

Use general mechanical ventilation to remove vapors at the source.  
Eyewash station is recommended.

|   |                              |   |
|---|------------------------------|---|
|   | <b>RESPIRATOR</b>            | Not required                                      |
| X | <b>GOGGLES / FACE SHIELD</b> | Required; goggles should be chemical splash type. |
|   | <b>APRON</b>                 | Not required                                      |
| X | <b>GLOVES</b>                | Required  |
|   | <b>BOOTS</b>                 |   |

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

|                     |                           |                                       |        |
|---------------------|---------------------------|---------------------------------------|--------|
| APPEARANCE          | Slightly yellowish liquid | BOILING POINT                         | 220° F |
| ODOR                | No apparent odor          | VAPOR PRESSURE                        | NA     |
| pH                  | >13                       | VAPOR DENSITY                         | NA     |
| SPECIFIC GRAVITY    | 1.28                      | EVAPORATION RATE<br>(butyl acetate=1) | <<1    |
| SOLUBILITY IN WATER | Complete                  |                                       |        |

**SECTION 10 – STABILITY AND REACTIVITY**

|                                     |   |                       |   |  |                  |
|-------------------------------------|---|-----------------------|---|--|------------------|
| CHEMICAL STABILITY                  |   | <b>STABLE</b>         | X |  | <b>UNSTABLE</b>  |
| <b>CONDITIONS TO AVOID</b>          | Elevated temperatures                                   |                       |   |  |                  |
| INCOMPATIBILITY                     | Strong acids. Aluminum, zinc or alloys containing them. |                       |   |  |                  |
| HAZARDOUS PRODUCTS OF DECOMPOSITION | Oxides of carbon  |                       |   |  |                  |
| POLYMERIZATION                      |   | <b>WILL NOT OCCUR</b> | X |  | <b>MAY OCCUR</b> |
| <b>CONDITIONS TO AVOID</b>          | None  |                       |   |  |                  |

**SECTION 11 – TOXICOLOGICAL INFORMATION**

## CARCINOGENICITY

|   |   |
|---|---|
|   | THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN   |
| X | THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910,Z |

## OTHER EFFECTS

|              |   |
|--------------|---|
| <b>ACUTE</b> | Causes severe burns to skin, eyes, mucous membranes and gastric mucosa. |
|--------------|---|

|                   |            |
|-------------------|------------|
| <b>CHRONIC</b>    | None known |
| <b>ORAL LD/50</b> | Unknown    |

### SECTION 12 – DISPOSAL CONSIDERATIONS

|                |                                 |
|----------------|---------------------------------|
| WASTE DISPOSAL | Flush diluted material to sewer |
|----------------|---------------------------------|

### SECTION 13 – TRANSPORT INFORMATION

|                    |   |                  |   |  |                      |
|--------------------|---|------------------|---|--|----------------------|
| DOT CLASSIFICATION |   | <b>HAZARDOUS</b> | X |  | <b>NOT HAZARDOUS</b> |
| <b>DESCRIPTION</b> | Corrosive liquid, n.o.s. (contains potassium hydroxide), 8, UN 1760, PG II. |                  |   |  |                      |
| SEATEX HM CODE     | 170   |                  |   |  |                      |

### SECTION 14 – OTHER INFORMATION

#### HMIS CLASSIFICATION

|     |               |                |
|-----|---------------|----------------|
| 2   | <b>BLUE</b>   | HEALTH HAZARD  |
| 0   | <b>RED</b>    | FLAMMABILITY   |
| 0   | <b>YELLOW</b> | REACTIVITY     |
| Alk | <b>WHITE</b>  | SPECIAL HAZARD |

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