



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. SS 650  
Effective Date May 5, 1999

## SECTION V HEALTH HAZARD DATA

SS 650

### Threshold Limited Value

None established. (ACGIH 1992-93). RTECS No. WT1050000 Toxicity data:  
IRDS: skin-rabbit 50 mg/24H SEV; Skin-human 250 mg/24H-mild; TXDS:  
Oral-rat LD50: 1288 mg/kg.

### Effects of Overexposure

**TARGET ORGANS AFFECTED:** None. **EYES:** Causes eye burns. **SKIN:** Repeated exposure on skin may cause irritation and/or allergic skin reaction. **INGESTION:** Stimulates gastric mucous production and sometimes inactivates pepsin in test animals. In subacute and chronic feeding tests, even fatally poisoned animals show only diarrhea and intestinal bloating, with no gross lesions outside of the gastrointestinal tract.  
**INHALATION:** Strong irritant to mucous membranes, resulting in coughing and sneezing.

### Emergency and First Aid Procedures

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**SKIN:** Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention if symptoms are present after washing. **EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get prompt medical attention.  
**INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink and call physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

| Stability | Unstable | Conditions to Avoid | Excessive temperature and heat.<br>Acidic conditions. |
|-----------|----------|---------------------|---|
|           | Stable   | X                   |   |

| Incompatibility<br>(Materials to Avoid) | Strong oxidizers. |
|---|-------------------|
|---|-------------------|

| Hazardous<br>Decomposition Products | When heated to decomposition, emits toxic fumes of oxides of sulfur (SO <sub>x</sub> ), carbon dioxide and/or carbon monoxide. |
|-------------------------------------|--|
|-------------------------------------|--|

| Hazardous Polymerization |                | Conditions to Avoid |
|--------------------------|----------------|---------------------|
| May Occur                | Will Not Occur | Not applicable.     |
|                          | X              |                     |

## SECTION VII SPILL OR LEAK PROCEDURES

| Steps to be taken in case material is released or spilled | Wearing suitable protective clothing, sweep material onto paper. Place in a suitable container for disposal by incineration. Wash spill area with large amounts of water. Spill area may become dangerously slippery. |
|---|---|
|---|---|

| Waste Disposal Method | Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.<br><br>Dispose of in an approved incinerator or contract an approved and licensed disposal agency. |
|-----------------------|---|
|-----------------------|---|

## SECTION VIII SPECIAL PROTECTION INFORMATION

| Respiration Protection<br>(Specify Type) | None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA approved dust mask or respirator. |
|--|---|
|--|---|

| Ventilation | Local Exhaust        | Recommended. | Special | No. |
|-------------|----------------------|--------------|---------|-----|
|             | Mechanical (General) | Recommended. | Other   | No. |

| Protective Gloves | Rubber. | Eye Protection | Chemical safety glasses. |
|-------------------|---------|----------------|--------------------------|
|-------------------|---------|----------------|--------------------------|

| Other Protective Equipment | Goggles, smock, apron, ventilation hood, proper gloves, eye wash station, fire extinguisher. |
|----------------------------|--|
|----------------------------|--|

## SECTION IX SPECIAL PRECAUTIONS

| Precautions to be Taken in Handling & Storing | Store in a cool, dry place away from oxidizing materials.<br>Wash thoroughly after handling. |
|---|--|
|---|--|

| Other Precautions | Read label on container before using. Do not wear contact lenses when working with chemicals. |
|-------------------|---|
|-------------------|---|

Do not get in eyes, on skin, on clothing. Avoid breathing dust. Use with adequate ventilation. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

| Revision | No. 5 | Date | 5/5/99 | Approved | Michael Raszeja | Chemical Safety Coordinator | MR |
|----------|-------|------|--------|----------|-----------------|-----------------------------|----|
|----------|-------|------|--------|----------|-----------------|-----------------------------|----|

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

| Product           | SODIUM LAURYL SULFATE  |
|-------------------|--|
| Chemical Synonyms | Sodium Dodecyl Sulfate   |
| Formula           | CH <sub>3</sub> (CH <sub>2</sub> ) <sub>11</sub> OSO <sub>3</sub> Na |
| Unit Size         | up to 5 Kg.  |
| C.A.S. No.        | 151-21-3   |

CHEMTREC  
800-424-9300  
Day 716-226-6177

NFPA  
HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

| Health     | 1 |
|------------|---|
| Fire       | 0 |
| Reactivity | 1 |

HMIS \*  
HIGH EXTREME  
3 4

## SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s)  | %    | TLV Units         |
|---|------|-------------------|
| The article of commerce is a mixture of analogous               | 100% | None established. |
| sodium alkyl sulfates with sodium lauryl sulfate predominating. |      |                   |
| <b>WARNING! HARMFUL IF SWALLOWED. IRRITANT TO SKIN,</b>         |      |                   |
| <b>EYES AND MUCOUS MEMBRANES. IRRITANT DUST.</b>                |      |                   |

## SECTION III PHYSICAL DATA

|                        |   |   |              |
|------------------------|---|---|--------------|
| Melting Point (°F)     | 206°C (403°F)   | Specific Gravity (H <sub>2</sub> O = 1) | 0.40 at 20°C |
| Boiling Point (°F)     | Decomposes.   | Percent Volatile by Volume (%)          | 5%           |
| Vapor Pressure (mm Hg) | N/A   | Evaporation Rate (≈1)                   | N/A          |
| Vapor Density (Air=1)  | N/A   |   |              |
| Solubility in Water    | Complete.   |   |              |
| Appearance & Odor      | Small, white or light yellow crystals or powder; no odor. |   |              |

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

| Flash Point<br>(Method Used) | 390°F (199°C) Micro cleveland O.C.                                  | Flammable Limits in Air<br>% by Volume | Unknown | Lower | Upper |
|------------------------------|---|--|---------|-------|-------|
| Extinguisher Media           | Carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC); water spray. |  |         |       |       |

### SPECIAL FIREFIGHTING PROCEDURES

Wear an approved NIOSH/MSHA self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Dangerous when heated to decomposition, emits highly toxic fumes; can react with oxidizing materials. Dust is very irritating to eyes, nose and mucous membranes.

| D.O.T. | NON-REGULATED. |
|--------|----------------|
|--------|----------------|

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20