

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

TRADE NAME: Sodium dodecylsulfate

Catalog No.: 161-0300

Chemical identity, Common Names: Lauryl Sulfate, SDS.

Formula: $C_{12}H_{25}NaO_4S$

M.W.: 288.38

MANUFACTURER'S NAME:

BIO-RAD LABORATORIES

2000 ALFRED NOBEL DRIVE

HERCULES, CALIFORNIA 94547

EMERGENCY PHONE No:

510/232-7000

DATE PREPARED OR REVISED:

April 15, 1994

NAME OF PREPARER: Roy Wood

II. HAZARDOUS INGREDIENTS

<u>CHEMICAL NAMES</u>	<u>CAS NUMBERS</u>	<u>PERCENT</u>	<u>EXPOSURE LIMITS IN AIR</u>		
			<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
sodium dodecyl sulfate *orl-rat LD50: 1288 mg/kg	151-21-3	100%	no data found	*	

III. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY(AIR = 1): N/A

APPEARANCE AND COLOR: White Powder

SOLUBILITY IN WATER: 0.1g/ml

SPECIFIC GRAVITY($H_2O = 1$): N/A

MELTING POINT: 200° C (362° F) decomposes

EVAPORATION RATE (BUTYL ACETATE = 1): N/A

ODOR: Slight fatty odor

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A

(METHOD USED): N/A

EXTINGUISHING MEDIA: Water spray, dry chemical, alcohol foam, or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

FLAMMABLE LIMITS: N/A

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE (for each potential route of exposure):

INHALED: Irritation of mucous membranes, throat and respiratory tract. Symptoms of sore throat, coughing, and choking can occur.

CONTACT WITH SKIN OR EYES: Irritating to eye tissue with redness and pain.

ABSORBED THROUGH SKIN: Mildly irritating to skin, causes a rash on continued exposure.

SWALLOWED: Large doses may cause gastrointestinal distress.

HEALTH EFFECTS OR RISKS FROM EXPOSURE

ACUTE: See above.

CHRONIC: No specific information found.

FIRST AID: EMERGENCY PROCEDURES

EYE CONTACT: Flush with large volumes of water for at least 15 minutes, lifting the upper and lower lids occasionally. Get medical attention.

SKIN CONTACT: Remove any contaminated clothing. Wash skin with plenty of flowing water for at least 15 minutes. If irritation develops, get medical attention.

INHALED: Remove to fresh air. Get medical attention for any breathing difficulty.

SWALLOWED: Induce vomiting by giving two glasses of water, or milk if available and sticking finger down throat. Call a physician immediately. Never give anything by mouth to an unconscious person.

SUSPECTED CANCER AGENT

NO: THIS PRODUCT'S INGREDIENTS ARE NOT FOUND IN THE LISTS BELOW.

YES: FEDERAL OSHA NTP IARC

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

No information found.

VI. REACTIVITY DATA

STABLE UNSTABLE

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (Materials to avoid): Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of sulfur and hydrogen sulfide.

HAZARDOUS POLYMERIZATION MAY OCCUR **WILL NOT OCCUR**

CONDITIONS TO AVOID: N/A

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

SPILL RESPONSE PROCEDURES: Sweep dry material-flush remainder with water.

PREPARING WASTES FOR DISPOSAL: Comply with all applicable federal, state, and local regulations on spill reporting waste handling, and waste disposal.

VIII. SPECIAL HANDLING INFORMATION

VENTILATION AND ENGINEERING CONTROLS: In general, good ventilation is sufficient. However, if conditions of use create discomfort to the worker a local exhaust system should be considered.

RESPIRATORY CONTROLS: For conditions of use where exposure to the dust is apparent wear a NIOSH-approved respirator appropriate for the dust concentration at the point of use.

EYE PROTECTION: Chemical safety goggles.

GLOVES: Use chemical resistant gloves such as neoprene.

OTHER CLOTHING AND EQUIPMENT: Wear lab coat or apron.

WORK PRACTICES, HYGIENIC PRACTICES: Use good laboratory practices. Wash hands after using and before eating. Do not eat, drink, or smoke in the work area.

OTHER HANDLING AND STORAGE REQUIREMENTS: Keep tightly sealed to protect quality. Store in a cool, dry, well-ventilated place away from incompatible materials.

PROTECTIVE MEASURES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Proper protective clothing, eye protection, and respiratory equipment should be worn.

We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and conditions of use of the product are not within the control of Bio-Rad, it is the user's responsibility to handle the product under conditions of safe use.