

AATCC
One Davis Drive
P.O. Box 12215
Research Triangle Park, NC 27709

MATERIAL SAFETY DATA SHEET

Issue Date: 4/2002

SECTION I

Emergency Telephone Numbers (919) 549-8141

Identity Stabilized NOBS

Composition NOBS, Stabilized 100%

SECTION II ? HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

This product is not "hazardous" within the meaning of the OSHA Hazard Communication Standard

SECTION III ? PHYSICAL/CHEMICAL CHARACTERISTICS

<u>Boiling Point</u> (°F)	-Not Applicable	<u>Specific Gravity</u> (H ₂ O = 1)	not available
<u>Vapor Pressure</u> (mm Hg)	-Not Applicable	<u>Percent Volatile by Volume</u> (%)	-Not Applicable
<u>Vapor Density</u> (Air = 1)	-Not Applicable	<u>Evaporation Rate</u> (nBuOAc = 1)	-Not Applicable
<u>Solubility in Water</u>	-Appreciable	<u>Appearance and Odor</u>	-White pellet, mild ester odor
<u>Softening Point</u>	-200°C	<u>pH</u>	4-6.5 (1% concentration)

SECTION IV ? FLAMMABILITY AND REACTIVITY DATA

<u>Flash Point</u> (Method Used)	-Not Applicable	<u>Explosive Limits</u> LEL Not Applicable UEL Not Applicable
<u>Extinguishing Media</u>	-Water, CO ₂ , or dry chemicals	
<u>Special Fire Fighting Procedures</u>	-Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes	
<u>Unusual Fire Hazards</u>	-Powdered material may form explosive dust-air mixtures. Minimize dust generation and accumulation. Refer to NFPA Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries."	
<u>Stability</u>	-Stable	
<u>Incompatibility</u> (Materials to avoid)	-oxidizers	
<u>Hazardous Combustion Products</u>	-carbon dioxide, carbon monoxide, oxides of sulfur	
<u>Hazardous Polymerization</u>	-Will Not Occur	<u>Conditions to Avoid</u> -None Known

SECTION V ? HEALTH AND SAFETY DATA

Health Effects (Acute and Chronic)

- Inhalation: Low hazard for usual industrial handling.
- Eye: Low hazard for usual industrial handling. However, any material that contacts the eye may be irritating or may cause mechanical injury.
- Skin: Low hazard for usual industrial handling.
- Ingestion: Expected to be a low ingestion hazard.

Emergency and First Aid Procedures

- Inhalation: If symptomatic, remove to fresh air and get medical attention if symptoms persist.
- Eye: Any material that contacts the eye should be washed out immediately and medical attention obtained if symptoms persist
- Ingestion: Material is not expected to be absorbed from gastrointestinal tract so that induction of vomiting should not be necessary.
- Skin: Wash with soap and water and get medical attention if symptoms occur.

Other

- None.

SECTION VI ? PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions To Be Taken in Handling and Storing

- keep from contact with oxidizing materials

Other Precautions

- None

Steps To Be Taken In Case Material Is Released or Spilled

- Collect and place in suitable container and dispose.

Waste Disposal Method

- Disposal is to be performed in compliance with all regulations.
- Larger quantities of contaminated or waste material should be incinerated.

SECTION VII ? SPECIAL PROTECTION INFORMATION

Preventive Measures

- None should be needed under anticipated conditions of use.

Respiratory Protection (Specify Type)

- An approved respirator should be worn if needed. Respirator type: dust.

Ventilation

-Good general ventilation (typically 10 air changes per hour) should be sufficient to control airborne levels. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, mechanical generation of dusts, heating, drying, etc.

Eve Protection

- Safety glasses with side shields (or goggles) are recommended for any type of industrial chemical handling.

Protective Gloves

- None required with normal use.
 - Protective gloves (rubber, neoprene) should be used for prolonged direct contact.
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Other Protective Equipment

-None necessary under normal use.

Transportation Information

-DOT (USA): Not regulated

-TDG (Canada): Not regulated

-Label Statements: POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES.

Minimize dust generation and accumulation.

The submission of this MSDS may be required by law but this is not an assertion that this substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in conjunction with occupational safety and health.