



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. SS 940
Effective Date May 6, 1999

SECTION V HEALTH HAZARD DATA

SS 940

Threshold Limited Value

Nuisance Particulates - TWA = 10 mg/m³ (ACGIH 1992-93);
5 mg/m³ OSHA TWA (Respirable dust).

Effects of Overexposure

Minimal. Dust may be irritating to nose and eyes. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If symptoms of illness develop, get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water, lifting lower and upper eyelids occasionally. If irritation develops, get medical attention.

SECTION VI REACTIVITY DATA

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|-----------|----------|---|---------------------|--------------------------------|
| Stability | Unstable | | Conditions to Avoid | Excessive temperature or heat. |
| | Stable | X | | |

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| Incompatibility (Materials to Avoid) | Data not listed. |
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| Hazardous Decomposition Products | None. |
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| Hazardous Polymerization | | Conditions to Avoid | Not applicable. |
| May Occur | Will Not Occur | | |
| | X | | |

SECTION VII SPILL OR LEAK PROCEDURES

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| Steps to be taken in case material is released or spilled | Recover for use if not contaminated. Sweep up, avoiding production of dust and place in a suitable container. |
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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.

Uncontaminated material may be disposed of in a sanitary landfill or incinerator equipped with an afterburner and scrubber.

SECTION VIII SPECIAL PROTECTION INFORMATION

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| Respiration Protection (Specify Type) | None should be needed in normal laboratory use. If dusty, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask. | | |
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|-------------|----------------------|--------------|---------|--|
| Ventilation | Local Exhaust | Recommended. | Special | No. |
| | Mechanical (General) | Recommended. | Other | Adequate to maintain below exposure limit. |

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| Protective Gloves | Not needed. | Eye Protection | Chemical safety glasses. |
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| Other Protective Equipment | Lab coat, eye wash station, ventilation hood. |
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SECTION IX SPECIAL PRECAUTIONS

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| Precautions to be Taken in Handling & Storing | Store in a cool, dry place away from heat, sparks or open flame. Wash thoroughly after handling. |
| Keep container tightly closed when not in use. | |

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| Other Precautions | Read label on container before using. Do not wear contact lenses when working with chemicals. |
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Remove and wash contaminated clothing.

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

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|----------------|-------------|--------------------------|--------------------------------|
| Revision No. 5 | Date 5/6/99 | 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

| | | |
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| Product | STARCH, SOLUBLE | CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 0 1 2 3 4 |
| Chemical Synonyms | Amylodextrin, Amylogen | |
| Formula | (C ₆ H ₁₀ O ₅) _n | |
| Unit Size | up to 2.5 Kg. | |
| C.A.S. No. | 9005-84-9 | |

SECTION II INGREDIENTS OF MIXTURES

| | | |
|------------------------|---|-----------|
| Principal Component(s) | % | TLV Units |
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| Starch, Soluble | 100% | See Section V. |
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CAUTION! NUISANCE DUST. LOW HAZARD FOR

USUAL LABORATORY HANDLING; NON-TOXIC

SECTION III PHYSICAL DATA

| | | | |
|------------------------|-------------------------------|---|------------------|
| Melting Point (°F) | Not applicable. | Specific Gravity (H ₂ O = 1) | 1.45 |
| Boiling Point (°F) | Not applicable. | Percent Volatile by Volume (%) | Data not listed. |
| Vapor Pressure (mm Hg) | Data not listed. | Evaporation Rate (≈1) | Data not listed. |
| Vapor Density (Air=1) | Data not listed. | | |
| Solubility in Water | Negligible. | | |
| Appearance & Odor | Dry white powder; bland odor. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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| Flash Point (Method Used) | Non-flammable (NA). | Flammable Limits in Air % by Volume | Unknown | Lower | Upper |
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| Extinguisher Media | Water spray; carbon dioxide (CO ₂); foam. |
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SPECIAL FIREFIGHTING PROCEDURES

Avoid procedures which would cause a dust cloud of the material to be formed. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

Autoignition Temperature: 770°F (410°C) (cloud).

UNUSUAL FIRE AND EXPLOSION HAZARDS

Excessive dusts from grain products are potentially hazardous. Avoid excessive dusting, open flames, open lights or welding in area of dry product if bag dumping.

D.O.T. NON-REGULATED.

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