

**Material Safety Data Sheet**  
**WesBond Corporation**  
**Westar +, Westar +3**

Revision Date: 07/11/2008	Supercedes: 10/29/2007	First Issued: 01/21/2002
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<b>SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION</b>	
Sales Name	<b>Westar+, Westar +3</b>
Product Description	Industrial Starch
CAS Number	56780-58-6
Supplier	Chemstar for WesBond Corporation
Address	1135 E. 7 <sup>th</sup> Street Wilmington, DE 19801
Emergency Telephone Number	(302) 655-7917
Contact	Wes Jones
Approved By	Wes M Jones

<b>SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS</b>			
Chemical Name CAS Number	%Wt/Wt	PEL-OSHA Exposure Limits	TLV-ACGIH Exposure Limits
Cationic Starch Ether 56780-58-6	100%	None	None

<b>SECTION 3. PHYSICAL AND CHEMICAL DATA</b>	
Appearance	White flakes
Odor	Odorless
pH	5 - 7
Density (lbs/ft <sup>3</sup> )	18 - 25
Solubility In Water	Appreciable
Solubility In Other Solvents	No
Vapor Pressure	N/A
Melting Point	N/A
Boiling Point	N/A
Evaporation Rate (water = 1)	N/A

<b>SECTION 4. FIRE AND EXPLOSION HAZARD DATA</b>	
Flash Point (°F)	N/A
Flammable Limits ( Vapor In Air, Vol.% )	N/A
Fire Extinguishing Media	Water, CO <sub>2</sub> , Dry powder, or Foam
Special Fire Fighting Procedures	None
Unusual Fire And Explosion Hazards	Dust-air mixture may be explosive. Minimum ignition temperature reported for starch, through a 200 mesh, is 380 deg.C (716 deg.F). The minimum explosive concentration of a dust cloud is 0.04 oz./cu.ft. Avoid open lights, flames, welding and spark producing sources.

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<b>SECTION 5. REACTIVITY DATA</b>	
Stability	Stable
Conditions To Avoid	Damp or wet conditions will lead to spoilage.
Incompatibility (Materials To Avoid)	Strong oxidizing agents.
Hazardous Decomposition Products	Oxides of carbon
Hazardous Polymerization	Will not occur.

<b>SECTION 6. STORAGE, HANDLING AND USE PROCEDURES</b>	
Storage And Handling	Avoid practices that produce dust. Store away from heat, flame and spark source.
Normal Use	Same as above
Spillage	Sweep up and flush area with water; <b>Caution:</b> wet floor may be slippery. Transfer liquids and solids to separate suitable containers for recovery or disposal.
Waste Disposal Method	Non-hazardous, landfill or sewer according to local, state, and federal regulations

<b>SECTION 7. HEALTH HAZARD DATA</b>	
Chronic Hazards	No known chronic hazards. Not listed by OSHA, NTP, or IARC as a carcinogen
Carcinogen	IARC? No      OSHA? No
Medical Conditions Generally Aggravated By Exposure	Asthma and inflammatory or fibrotic lung disease
Eye Contact	Slight irritation
Skin Contact	Slight skin irritation
Inhalation	Not a normal route of entry
Ingestion	No adverse effects expected.
First Aid Procedures	If inhaled, remove to fresh air. Wash skin with soap and water; if eye contact, flush eyes with plenty of water. Call a physician. In case of ingestion, give 2 glasses of water to drink. Consult a physician.

<b>SECTION 8. PERSONAL PROTECTION INFORMATION</b>	
Respiratory Protection	Avoid breathing dust. Use NIOSH/MSHA approved respirator whenever workplace conditions warrant use.
Gloves	Neoprene gloves provide protection against skin irritation.
Eye Protection	Safety glasses with side shields or chemical goggles. Other Protective Equipment: Safety shower and eyewash fountain should be within direct access.
Personal Hygiene	Wash thoroughly after handling
General Ventilation	As needed to control dust.

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<b>NFPA – National Fire Protection Association Hazard Ratings</b>	
<b>1</b>	Health Hazard Rating - Slight
<b>0</b>	Flammability Rating – Minimal
<b>0</b>	Instability Rating - Minimal
	Special Hazards – None

<b>HMIS – National Paint &amp; Coating Hazardous Materials Identification System</b>	
<b>1</b>	Health Hazard Rating – Slight
<b>0</b>	Flammability Rating – Minimal
<b>0</b>	Reactivity Rating – Minimal
<b>E</b>	Personal Protection – Safety Glasses, Gloves, Dust respirator

<b>ABBREVIATIONS</b>			
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value (ACGIH)
ACGIH	American Conference of Governmental Industrial Hygienists	TWA	Time Weighted Average
OSHA	Occupational Safety and Health Administration	N/A	Not Applicable
NFPA	National Fire Protection Association Hazard Ratings	HMIS	National Paint & Coating Hazardous Materials Identification System

**The information on this safety data sheet is believed to be accurate and it is the best information available to WesBond Corporation. This document is intended only as a guide to the appropriate precautions for handling a chemical by a person trained in chemical handling. WesBond Corporation makes no warranty of merchantability or any other warranty, express or implied with respect to such information of the product to which it relates, and we assume no liability resulting from the use or handling of the product to which this safety data sheet relates. Users and handlers of this product should make their own investigations to determine the suitability of the information provided herein for their own purposes.**