



TEKMAR™

TECHNICAL MARKETING, LTD.



MATERIAL SAFETY DATA SHEET

PRODUCT CODE : # TB-STX

COMPOSITION / INFORMATION ON INGREDIENTS :

		VOLUME BY WEIGHT:	
PRODUCT :	1. DEXTRIN	CAS # :	9004-53-9
	2. WATER		7732-18-5
	3. SODIUM HYDROXIDE		1310-73-2
	4. BORAX		137-26-8
	5. ALDEHYDE SOLUTION		50-00-0
	*OSHA & ACGIH SHORT TERM EXPOSURE LIMIT (STEL) FOR ALDEHYDE IS 2.0 ppm FOR A 15 MINUTE AVERAGE. THE OSHA ACTION LEVEL IS 0.5 ppm - 8 HOUR TIME WEIGHTED EXPOSURE.		

30-40%
50-60%
<1%
1-5%
<.2%

HAZARDS IDENTIFICATION :

TVL = 10mg/m3

PRIMARY ROUTES OF EXPOSURE :

SKIN CONTACT : PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN IRRITATION IN PEOPLE PRONE TO ALLERGIC REACTIONS.

FIRST AID MEASURES :

SKIN CONTACT : WASH AFFECTED SKIN AREAS THOROUGHLY WITH SOAP & WATER.
CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

FIRE FIGHTING MEASURES :

FLASH POINT : NOT APPLICABLE
AUTO IGNITION TEMP. : NOT APPLICABLE
LOWER EXPLOSIVE LIMIT: NOT APPLICABLE
UPPER EXPLOSIVE LIMIT : NOT APPLICABLE
DOT FLAMMABILITY CLASS : NOT APPLICABLE

UNUSUAL HAZARDS :

NONE

EXTINGUISHING AGENTS :

USE WATER, FOAM, CARBON DIOXIDE OR DRY CHEMICAL FIRE-FIGHTING APPARATUS APPROPRIATE FOR SURROUNDING FIRE.

PERSONAL PROTECTIVE EQUIPMENT :

NONE REQUIRED.

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ATLANTA SHIPPING
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Conyers, GA 30094 USA

Customer Line: 800/564-1096 • Phone: 805/965-0704 • Fax: 805/963-7794

ACCIDENTAL RELEASE MEASURES :

PERSONAL PROTECTION :

NONE REQUIRED.

PROCEDURES :

WASH WITH WATER TO WASTE TREATMENT SYSTEM.

DISPOSAL :

DISPOSE OF USED PRODUCT TO LANDFILL OR SECONDARY WASTE TREATMENT FACILITY .

HANDLING AND STORAGE:

STORAGE CONDITIONS:

KEEP FROM FREEZING. MAINTAIN PRODUCT BETWEEN 34* F AND 120* F. OPTIMUM STORAGE TEMPERATURE IS 65* F. AVOID EXTREME TEMPERATURE VARIATIONS.

HANDLING PROCEDURES :

NO SPECIAL HANDLING PROCEDURES REQUIRED.

PERSONAL PROTECTION :

RESPIRATORY PROTECTION :

NONE REQUIRED.

VENTILATION :

LOCAL EXHAUST: 3000 fpm (MTV).

EYE PROTECTION :

NONE REQUIRED.

HAND PROTECTION :

NON REQUIRED, HOWEVER, PEOPLE WITH SENSITIVE SKIN MAY WANT TO USE GLOVES.

OTHER PROTECTIVE EQUIPMENT :

NONE REQUIRED.

PHYSICAL AND CHEMICAL PROPERTIES :

APPEARANCE	OPAQUE
COLOR	LIGHT TAN
STATE	LIQUID
ODOR CHARACTERISTIC	BLAND ODOR
pH	6-7
VISCOSITY	1,500 - 2,500 cPs
SPECIFIC GRAVITY	1.0 - 1.2 (WATER =1)
VAPOR DENSITY	< 1 WATER (AIR = 1)
VAPOR PRESSURE	17 mm. Hg. WATER
MELTING POINT	32* F WATER
BOILING POINT	212* F WATER
SOLUBILITY IN WATER	DILUTABLE
SOLIDS	approx. 38 %
EVAPORATION RATE	< 1 WATER (BUTYL ACETATE = 1)

STABILITY AND REACTIVITY :

INSTABILITY :

THIS MATERIAL IS CONSIDERED STABLE.

HAZARDOUS DECOMPOSITION PRODUCTS :

NONE.

HAZARDOUS POLYMERIZATION :

THIS PRODUCT WILL NOT UNDERGO POLYMERIZATION.

INCOMPATIBILITY :

THIS PRODUCT IS INCOMPATIBLE OXIDIZING MATERIALS.

TOXICOLOGICAL INFORMATION :

ACUTE DATA :

NO TOXICITY DATA ARE AVAILABLE FOR THIS MATERIAL.

ECOLOGICAL INFORMATION :

NO APPLICABLE DATA.

DISPOSAL CONSIDERATIONS :

PROCEDURE :

DISPOSE OF USED PRODUCT TO LANDFILL OR SECONDARY WASTE TREATMENT FACILITY.

TRANSPORT INFORMATION :

US DOT HAZARD CLASS ----- NOT REGULATED

REGULATORY INFORMATION :

WORKPLACE CLASSIFICATION :

THIS PRODUCT, **AS SUPPLIED**, IS NON HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29CFR 1910.1200). UNDER PROCESSING CONDITIONS, IT MAY BECOME OSHA HAZARDOUS DUE TO THE RELEASE AND EXPOSURE POTENTIAL OF VINYL ACETATE AND / OR ACETALDEHYDE (SEE 'HANDLING AND STORAGE' SECTION FOR RECOMMENDED HANDLING PROCEDURES).

THIS PRODUCT IS NOT A 'CONTROLLED PRODUCT' UNDER THE CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS).

EMERGENCY PLANNING & COMMUNITY RIGHT TO KNOW :

SARA TITLE III.: SECTION 311/312 CATEGORIZATIONS (40CFR 370)

THIS PRODUCT IS NOT A HAZARDOUS CHEMICAL UNDER 29CFR 1910.1200, AND THEREFORE IS NOT COVERED BY TITLE III. OF SARA.

SARA TITLE III.: SECTION 313 INFORMATION (40CFR 372)

THIS PRODUCT DOES NOT CONTAIN A CHEMICAL WHICH IS LISTED IN SECTION 313 AT OR ABOVE 'de minimis' CONCENTRATIONS.

CERCLA INFORMATION (40CFR 302.4) :

RELEASES OF THIS MATERIAL TO AIR, LAND, OR WATER ARE NOT REPORTABLE TO THE NATIONAL RESPONSE CENTER UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) OR TO STATE AND LOCAL EMERGENCY PLANNING COMMITTEES UNDER THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III. SECTION 304.

RCRA INFORMATION & WASTE CLASSIFICATION :

WHEN A DECISION IS MADE TO DISCARD THIS MATERIAL, **AS SUPPLIED**, IT DOES NOT MEET RCRA'S CHARACTERISTIC DEFINITION OF IGNITABILITY, CORROSIVITY, OR REACTIVITY, AND IS NOT LISTED IN 40CFR 261.33.

THE TOXICITY CHARACTERISTIC (TC), HOWEVER, HAS NOT BEEN EVALUATED BY THE TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP).

UNITED STATES: CHEMICAL CONTROL LAW STATUS :

ALL COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE INVENTORY LISTING REQUIREMENTS OF THE U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

CALIFORNIA PROPOSITION 65 :

THIS PRODUCT CONTAINS COMPONENTS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: - ALDEHYDE (55-00-0)

CONEG INFORMATION AND FOOD & DRUG ADMINISTRATION COMPLIANCE :

THIS PRODUCT COMPLIES WITH THE APPLICABLE REQUIREMENTS OF THE COALITION OF NORTHEAST GOVERNORS' (CONEG) STANDARDS ON HEAVY METALS, BGA RECOMMENDATION XIV. GUIDELINES, AND THE FOLLOWING FOOD & DRUG (FDA) REGULATIONS:

21 CFR 175.105	ADHESIVES
21 CFR 176.180	COMPONENTS OF PAPER & PAPERBOARD IN CONTACT WITH DRY FOOD.
21 CFR 176.170	COMPONENTS OF PAPER & PAPERBOARD IN CONTACT WITH AQUEOUS AND FATTY FOOD, PROVIDED THE FOOD CONTACT SURFACE OF THE PAPER BOARD COMPLIES WITH THE EXTRACTIVES REQUIREMENTS IN 21 CFR 176.170 PARAGRAPH (C).

OTHER INFORMATION :

HAZARD RATING :

TOXICITY	1
FIRE	0
REACTIVITY	0
SPECIAL	-

SCALE :

4=EXTREME
3=HIGH
2=MODERATE
1=SLIGHT
0=INSIGNIFICANT

THE INFORMATION CONTAINED HEREIN RELATES ONLY TO THE SPECIFIC MATERIAL IDENTIFIED. TEKMAR BELIEVES THAT SUCH INFORMATION IS ACCURATE AND RELIABLE AS OF THE DATE OF THIS MSDS, BUT NO REPRESENTATION, GUARANTEE, OR WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE ACCURACY, RELIABILITY, OR COMPLETENESS OF THE INFORMATION. TEKMAR URGES PERSONS RECEIVING THIS INFORMATION TO MAKE THEIR OWN DETERMINATION AS TO THE INFORMATION'S SUITABILITY AND COMPLETENESS FOR THEIR PARTICULAR APPLICATION.