



Akros Chemicals America
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MATERIAL SAFETY DATA SHEET

		TRANSPORTATION-CHERTREC 800-424-9300 24 HRS AKROS CHEMICALS 732-247-2209 AKROS CHEMICALS AMERICA 732-247-2202 BUSINESS NUMBER		NFPA 704 HAZARD RATING 4 - EXTREME 3 - HIGH 2 - MODERATE 1 - SLIGHT 0 - MINIMAL * - CHRONIC HEALTH HAZARD (See Section 8)		HEALTH 0 FIRE 1 REACTIVITY 0		MSDS NO. 72317-1 PRODUCT CODE NO. 72317 ISSUED 01/30/1998 REVISED 08/28/2002	
		PRODUCT NAME (LABEL) PLASTOFLEX 2307 CHEMICAL NAME, SYNONYMS Epoxidized Soybean Oil CAS NO. See Below TSCA INVENTORY NO. Components listed on TSCA Inventory FORMULA C57H76O18 (Approx.) CARCINOGEN REFERENCE APPLIES		CHEMICAL FAMILY Epoxidized Soybean Oil					
1 IDENTIFICATION PRODUCT NAME (LABEL) CHEMICAL NAME, SYNONYMS CAS NO. TSCA INVENTORY NO. Components FORMULA CARCINOGEN REFERENCE APPLIES	CAS NO. 8013-07-8 COMPONENTS Epoxidized Soybean Oil This product does not pose any major hazards for handling purposes and is not classified as a hazardous material.		% NA ACGIH TLV NA OSHA PEL NA PPM or mg/M3		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA				
	DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA				
2 HAZARD IDENTIFICATION DOT SHIPPING NAME DOT HAZARD CLASSIFICATION	DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA				
	DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA				
3 PHYSICAL & CHEMICAL PROPERTIES INITIAL BOILING POINT MELTING/FREEZING POINT POUR POINT MOLECULAR WEIGHT SPECIFIC GRAVITY (WATER = 1) VAPOR PRESSURE (mm Hg) VAPOR DENSITY (AIR = 1) SOLUBILITY IN WATER (% By Weight) % VOLATILES BY WEIGHT EVAPORATION RATE - BUTYL ACETATE = 1 APPEARANCE & ODOR	INITIAL BOILING POINT >150°C >300°F @ 5 mm Hg MELTING/FREEZING POINT -4°C 24°F POUR POINT -2°C 28°F MOLECULAR WEIGHT ~1000 SPECIFIC GRAVITY (WATER = 1) 0.995 @ 25°C VAPOR PRESSURE (mm Hg) <0.1 @ 20°C VAPOR DENSITY (AIR = 1) > 1 SOLUBILITY IN WATER (% By Weight) Nil % VOLATILES BY WEIGHT Nil EVAPORATION RATE - BUTYL ACETATE = 1 < 0.01 APPEARANCE & ODOR Clear pale yellow viscous liquid with mild odor.		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA				
	DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA				
4 FLAMMABILITY & REACTIVITY FLASH POINT TEST METHOD FLAMMABLE LIMITS IN AIR AUTOIGNITION TEMPERATURE DOT EMERGENCY GUIDE NO EXTINGUISHING MEDIA SPECIAL FIRE FIGHTING PROCEDURES UNUSUAL FIRE AND EXPLOSION HAZARDS	FLASH POINT >150°C >300°F TEST METHOD PMCC FLAMMABLE LIMITS IN AIR ND % by Vol AUTOIGNITION TEMPERATURE ND°C ND °F DOT EMERGENCY GUIDE NO NA EXTINGUISHING MEDIA Not Combustible X Water fog or spray X CO2 X Dry Chemical X Alcohol X Foam X Earth or mud SPECIAL FIRE FIGHTING PROCEDURES Use self-contained breathing apparatus and protective clothing. UNUSUAL FIRE AND EXPLOSION HAZARDS Toxic fumes may be produced under combustion.		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA				
	DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA				
5 REACTIVITY STABILITY HAZARDOUS POLYMERIZATION HAZARDOUS DECOMPOSITION PRODUCTS - THERMAL AND OTHER (LIST) CONDITIONS TO AVOID	STABILITY X Stable X Unstable HAZARDOUS POLYMERIZATION X Will Not Occur X May Occur HAZARDOUS DECOMPOSITION PRODUCTS - THERMAL AND OTHER (LIST) Hydrocarbon decomposition products. This material may produce a floating fire hazard. CONDITIONS TO AVOID X Ignition Sources X Temperatures above °C °F		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA				
	DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA				
6 SAFETY STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED WASTE DISPOSAL - Consult federal state & local authorities for proper disposal procedures. UNDER RCRA THIS PRODUCT IS CLASSIFIED AS:	STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Keep upwind Avoid skin contact Flush with water X Absorb with sand or inert material Neutralize X Sweep or scoop out and remove X Prevent spread of spill WASTE DISPOSAL - Consult federal state & local authorities for proper disposal procedures. UNDER RCRA THIS PRODUCT IS CLASSIFIED AS: Ignitable Corrosive Reactive EP Toxic Listed X Not a RCRA hazardous waste, but see supplement		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA				
	DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA		DOT SHIPPING NAME Not regulated DOT HAZARD CLASSIFICATION NA				

NA-NOT APPLICABLE ND-NOT DETERMINED <-LESS THAN >-GREATER THAN ~-APPROXIMATELY

® - REGISTERED TRADEMARK OF AKROS CHEMICALS

Before using product, read and follow direction and precautions on product label and bulletins.

MSDS NO:

72317-2

TOXICITY	8	DERMAL (SKIN) LD-50-ND - May cause slight irritation to the skin with itching & local redness.			
	A	EYE ND - May cause irritation to the eyes with no harmful effects.			
	U	INHALATION LC50-ND - May cause irritation to the respiratory tract.			
	T	ORAL LD50-ND - Considered low toxicity.			
	E	OTHER None.			
HAZARD	9	DERMAL Direct and prolonged skin contact to vapors generated at high temperatures may result in irritation with redness, swelling and dermatitis.			
	A	EYE Direct eye contact may result in irritation.			
	U	INHALATION Excessive inhalation may cause respiratory tract irritation and nausea.			
	T	INGESTION May cause irritation of the mouth and stomach.			
	E	10	DERMAL Wash affected skin area with soap and water.		
SPECIAL INFORMATION	11	HANDS (GLOVE MATERIALS TO MINIMIZE CHEMICAL CONTACT) <input checked="" type="checkbox"/> Neoprene <input type="checkbox"/> Natural rubber <input type="checkbox"/> Nitrile rubber <input checked="" type="checkbox"/> Butyl rubber <input type="checkbox"/> Polyvinyl alcohol <input type="checkbox"/> Polyvinyl chloride			
	A	EYES Wear chemical splash goggles and/or face shield if splash hazard exists.			
	U	VENTILATION REQUIREMENTS - Always maintain exposure below permissible exposure limits Mechanical (general) is adequate.			
	T	RESPIRATOR TYPE - For reducing contaminate concentration in inhaled air <input type="checkbox"/> Filter - dust, fume, mist <input checked="" type="checkbox"/> Can or cartridge gas or vapor			
	E	OTHER <input checked="" type="checkbox"/> Safety shower and/or eye wash should be available			
PRECAUTIONS	12	<input type="checkbox"/> Do not store near combustibles <input checked="" type="checkbox"/> Wash thoroughly after handling <input checked="" type="checkbox"/> Do not get in eyes, on skin or clothing <input type="checkbox"/> Do not breathe dust, vapor, mist, gas <input checked="" type="checkbox"/> Keep container closed <input type="checkbox"/> Keep from freezing <input type="checkbox"/> Empty container may contain hazardous residues <input checked="" type="checkbox"/> Keep away from heat, sparks and open flames <input type="checkbox"/> Use explosion proof equipment			
	13	OTHER Store in a cool, dry area.			
PREPARED BY - Product Group Product Safety		REVIEWED BY SAFETY	HEALTH	TOXICOLOGY	ENVIRONMENTAL L. Z. Bonan
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