



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE				
PRODUCT IDENTIFIER Crude Tall Oil J-29			CAS REGISTRY NO. 8002-26-4	
PRODUCT USE Feedstock for tall oil refineries				
MANUFACTURER'S NAME Chemtrade Pulp Chemicals LP			SUPPLIER'S NAME Chemtrade Pulp Chemicals LP	
STREET ADDRESS 2711 Pulpmill Road			STREET ADDRESS 2711 Pulpmill Road	
CITY Prince George	PROVINCE BC		CITY Prince George	PROVINCE BC
POSTAL CODE V2N 2S6	EMERGENCY TELEPHONE NO. (250) 563-4206 or CANUTEC (613)996-6666		POSTAL CODE V2N 2S6	EMERGENCY TELEPHONE NO. (250) 563-4206 or CANUTEC (613)996-6666
SECTION 2- HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC50 OF INGREDIENT (SPECIFIC SPECIES)
Fatty acids (e.g., Oleic)	35 – 45	61790 – 12 – 3	74 g/Kg (rat, oral)	5 – 10 mg/L, 96 hr (rainbow trout)
Rosin acids (e.g., Abietic)	20 - 30	8050 – 09 – 7	2.5 g/Kg (mouse, oral)	0.7 – 1.5 mg/L, 96 hr (rainbow trout)
Unsaponifiables / Neutrals (e.g., β -sitosterol)	30 – 40	8016 – 81 – 7	Not available	Not available
SECTION 3 – PHYSICAL DATA				
PHYSICAL STATE Viscous Liquid	ODOUR AND APPEARANCE Distinctive odour, brown colour, viscous			ODOUR THRESHOLD (PPM) Not available
SPECIFIC GRAVITY 0.97	VAPOUR DENSITY (AIR = 1) Not available		VAPOUR PRESSURE (mm Hg) < 1	EVAPORATION RATE Not available
BOILING POINT (°C) > 250	FREEZING POINT(°C) Not Available		pH 2 - 4	COEFF. OF WATER/OIL DIST. Insoluble in Water
SECTION 4 – FIRE AND EXPLOSION HAZARD				
FLAMMABILITY YES [X] NO []	IF YES, UNDER WHAT CONDITIONS?	Combustible if exposed to high heat and open flames, i.e., similar to other high boiling organic compounds.		
MEANS OF EXTINCTION	Use foam, dry chemical or carbon dioxide to extinguish. Water might be ineffective but could be used to cool fire exposed containers.			
FLASHPOINT (°C) AND METHOD 195 (ASTM D93)	UPPER FLAMMABLE LIMIT (% BY VOLUME) Not available		LOWER FLAMMABLE LIMIT (% BY VOLUME) Not available	



MATERIAL SAFETY DATA SHEET

SECTION 7 – PREVENTENTIVE MEASURES			
PERSONAL PROTECTIVE EQUIPMENT			
GLOVES (SPECIFY) Rubber gloves	RESPIRATOR (SPECIFY) Organic canister	EYE(SPECIFY) Safety goggles or face shield if splash hazard present	
FOOTWEAR (SPECIFY) Rubber boots	CLOTHING (SPECIFY) No specific requirement	OTHER (SPECIFY) Safety shower and / or eye wash station	
ENGINEERING CONTROLS (SPECIFY)			
VENTING: Open (flame arrester)		INERT ATMOSPHERE : Not required	
LEAK AND SPILL PROCEDURE Mix with inert absorbent material, sweep up and place in containers for proper disposal.			
WASTE DISPOSAL Incineration is an acceptable waste disposal method.			
HANDLING PROCEDURES AND EQUIPMENT Avoid contact with eyes and skin. Exercise usual safety precautions when handling hot product.			
STORAGE REQUIREMENTS Tank, piping and pumps should be stainless steel or aluminum. Keep away from heat and open flames. Do not store near oxidizing materials.			
SPECIAL SHIPPING INFORMATION Tank cars and storage tanks should be equipped with steam coils.			
SECTION 8 – FIRST AID MEASURES			
SPECIFIC MEASURES			
EYE CONTACT:	Flush eyes with plenty of low pressure running water for at least 20 minutes. Seek immediate medical attention.		
SKIN CONTACT:	Remove contaminated clothing. Wash affected area with soap and plenty of water. Seek medical attention if irritation persists.		
INGESTION:	Give plenty of water to conscious victim to drink to induce vomiting. Get immediate medical attention.		
INHALATION:	Remove victim to fresh air. If not breathing, give artificial respiration. If laboured, give oxygen. Get immediate medical attention.		
SECTION 9 – PREPARATION INFORMATION			
DATE PREPARED May 1, 1993	LAST REVISED May 16, 2008	PREPARED BY S. Bluskov	PHONE NUMBER (250) 565 - 8700
IMPORTANT: <i>The technical information herein is believed to be accurate. It is offered for your consideration, investigation and verification. Buyer assumes all risk of storage, handling and use of product. NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein shall be construed as license to operate under recommendation to infringe any patents.</i>			