

MATERIAL SAFETY DATA SHEET

MSDS # 1150 ROOFCRAFT 95/180 BASE FR POLYESTER

BramCal Production Co.

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I – PRODUCT INFORMATION

PRODUCT NAME	ROOFCRAFT 95/180 BASE FR POLYESTER
PRODUCT TYPE	ROOFING COVER BOARD
PRODUCT USE	ROOFING

II – HAZARDOUS INGREDIENTS

INGREDIENTS	%	CAS #	EXPOSURE LIMITS
Boric Acid	5-15%	010043353	Acute Oral (DL50): 3500 mg/kg (rat) Acute Skin (DL50): 2000 mg/kg (rabbit)

III- PHYSICAL DATA

PHYSICAL STATE <input type="checkbox"/> GAS <input type="checkbox"/> LIQUID <input checked="" type="checkbox"/> SOLID	ODOUR & APPEARANCE Slight petroleum odour	ODOUR THRESHOLD (ppm) Not determined	VOLATILE (VOL.) Not determined
VAPOUR PRESSURE (mm Hg) N/A	VAPOUR DENSITY (AIR=1) N/A	EVAPORATION RATE (BuAc=1) N/A	BOILING POINT (°C) N/A
FREEZING POINT (°C) N/A	SPEC. GRAVITY (WATER – 1) >1.0	DENSITY (g/ml)	SOLUBILITY (IN WATER) None
COEF. OF WATER/OIL DIST. Not determined	pH 4.0 to 6.0 (1% water suspension of 1.0%)		

IV – FIRE & EXPLOSION HAZARD

FLAMMABILITY <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	CONDITIONS OF FLAMMABILITY Avoid excessive heat and open flames.	AUTO-IGNITION TEMP (°C) Not determined
FLASH POINT (°C) N/A	FLAMMABLE LIMITS (% VOLUME)	SENSITIVITY TO MECHANICAL IMPACT None
METHOD:	TDG FLAMMABILITY CLASS	SENSITIVITY TO STATIC DISCHARGE Yes
HAZARDOUS COMBUSTION PRODUCTS Exposure to flames or fire may cause thermal degradation with evolution CO and CO ₂ .	MEANS OF EXTINCTION Foam, carbon dioxide, dry chemicals, water fog.	SPECIFIC FIRE FIGHTING PROCEDURES Respirators required for fire fighting.

V – PREPARATION OF M.S.D.S.

PREPARED BY: HSE Department	PHONE NUMBER (905) 457-2880 EXT. 3354	DATE August 3, 2015
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VI – REACTIVITY DATA

CHEMICAL	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
CONDITIONS TO AVOID: Sources of ignition, excessive heat.	
INCOMPATIBILITY (SUBSTANCE TO AVOID) Strong oxidizing agents.	
CONDITIONS OF REACTIVITY None.	
HAZARDOUS DECOMPOSITION PRODUCTS If exposed to very high temperatures, thermal degradation will give of CO and CO ₂ .	

VII – TOXICOLOGICAL PROPERTIES

THRESHOLD LIMIT VALUE		LC50/LD50 (estimated) LD50 (oral-rat) = 3479 mg/kg LC50 (oral-mouse) = 3989 mg/kg	
ROUTE OF ENTRY	<input checked="" type="checkbox"/> SKIN CONTACT <input type="checkbox"/> SKIN ABS	<input checked="" type="checkbox"/> EYES <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> INHALATION	
EFFECTS OF ACUTE EXPOSURE			
EFFECTS OF CHRONIC EXPOSURE	Repeated skin contact may cause moderate irritation or dermatitis.		
IRRITANCY	Eye, skin and respiratory tract irritant.	SENSITIZATION None known	SYNERGISTIC MATERIALS None known
<input type="checkbox"/> CARCINOGENICITY	<input type="checkbox"/> REPRODUCTIVE EFFECTS	<input type="checkbox"/> TERATOGENICITY	<input type="checkbox"/> MUTAGENICITY

Product not believed to cause any of these effects.

WARNING: This product may contain oxidized bitumens. The International Agency for Research on Cancer (the "IARC") published a monograph in 2013 which concluded that "occupational exposure to oxidized bitumens and their emissions during roofing operations are probably carcinogenic to humans." The IARC found that there is "limited evidence" in humans for the carcinogenicity of occupational exposures to bitumens and bitumen emissions during roofing and mastic-asphalt work. The IARC also found that there is "sufficient evidence" in experimental animals for carcinogenicity of fume condensates generated from oxidized bitumen. All other evidence of cancer in humans and experimental animals was judged "inadequate" or "limited." The physical nature of this product may help limit any inhalation hazard from oxidized asphalt during application in its hardened state. However, physical forces such as grinding, drilling and other demolition work on this product may liberate dust containing oxidized asphalt. Burning or heating of the product may cause fumes, vapors or mists.

VIII – FIRST AID MEASURES

SKIN	Wash exposed areas with waterless hand cleaner or soap and water.
EYES	Flush eyes thoroughly with plenty of lukewarm water for at least 20 minutes. Get medical attention immediately.
INHALATION	Remove victim to fresh air. Administer artificial respiration. If breathing has stopped, administer oxygen. Consult a physician immediately.
INGESTION	If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

IX – PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT	EYES: Safety goggles or goggles when necessary. GLOVES: Protective gloves.
ENGINEERING CONTROLS (VENTILATION, ETC.)	Exhaust ventilation required in confined spaces, face velocity 60 fpm.
WASTE DISPOSAL	Follow all, federal, provincial/state and municipal regulations.
HANDLING PROCEDURES	Handle with reasonable care and caution.
STORAGE REQUIREMENTS	Store in cool, well-ventilated areas. Keep away from ignition sources.
SHIPPING INFORMATION	N/A

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