

# MATERIAL SAFETY DATA SHEET (MSDS)

## SECTION 1: PRODUCT IDENTIFICATION & USE

PRODUCT IDENTIFIER



DURO-FLEX<sup>®</sup>, DURO-FLEX<sup>®</sup> MASTIC

PRODUCT IDENTIFICATION NUMBER (PIN) UN 1866

PRODUCT USE



WATERPROOFING AND MASTIC

MANUFACTURER'S NAME RUBBER POLYMER CORP.  
STREET ADDRESS 1135 W. PORTAGE TR. EXT.  
CITY AKRON PROVINCE/STATE OHIO, USA  
POSTAL CODE 44313 EMERGENCY TELE NO. 800-424-9300

SUPPLIER'S NAME ADVANCED COATINGS, INC.  
STREET ADDRESS MAIL: P.O. BOX 670, MIDLAND ONT.  
SHIP: 15288 HWY 12, MIDLAND  
CITY MIDLAND PROVINCE/STATE ONTARIO, CANADA  
POSTAL CODE L4R 4P4 EMERGENCY TELE NO. 800-424-9300

## SECTION 2: HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	% Range (by weight)	CAS NUMBER	LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES & ROUTE)	LC <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES)
TOLUENE	5-10	108-88-3	RAT 5.5-7.3 g/kg	RAT 8000 ppm/4 HRS
SOLVENT NAPHTHA LT. ALIPHATIC	30-60	64742-89-8	RAT >8.0 ml/kg	RAT 3400 ppm/ 4 HRS
*ALUMINUM PASTE:	1-5		RAT >5 g/kg	RAT 780 ppm/4 HRS
Aluminum (63%by weight)	1-5	7429-90-5		
Mineral Spirits (35%by weight)	1-5	64742-88-7		

## SECTION 3: PHYSICAL DATA

PHYSICAL STATE LIQUID	ODORS & APPEARANCE HYDROCARBON ODOR - BLUE, GREEN, SILVER, GRAY, YELLOW, CLEAR, WHITE		ODOR THRESHOLD (ppm) (TOLUENE) 20 PPM	
VAPOR PRESSURE (mm HG) 140	VAPOR DENSITY (AIR = 1) 3.5	EVAPORATION RATE 6.1	BOILING POINT (°C) 86	FREEZING POINT (°C) -30
pH NOT AVAILABLE	SPECIFIC GRAVITY 0.8-0.9	COEFF. WATER/OIL DIST. % SOLUBILITY IN H <sub>2</sub> O <0.1		

## SECTION 4: FIRE & EXPLOSION DATA

FLAMMABILITY

YES

NO

IF YES, UNDER WHICH CONDITIONS?



EXPOSURE TO SPARKS AND OPEN FLAMES

MEANS OF EXTINGUISHMENT TREAT AS A HYDROCARBON FIRE. USE CO<sub>2</sub> OR DRY CHEMICAL EXTINGUISHING MEDIA

FLASHPOINT (°C) AND METHOD -8 CLOSED CUP	UPPER FLAMMABLE LIMIT (% BY VOLUME) <7%	LOWER FLAMMABLE LIMIT (% BY VOLUME) 1%
AUTOIGNITION TEMPERATURE (°C) >200	HAZARDOUS COMBUSTION PRODUCTS CO <sub>2</sub> , CO AND TYPICAL BY-PRODUCTS OF HYDROCARBON COMBUSTION.	
EXPLOSION DATA SENSITIVITY TO IMPACT NONE	SENSITIVITY TO STATIC DISCHARGE YES	

## SECTION 5: REACTIVITY DATA

CHEMICAL STABILITY

YES

NO

IF NO, UNDER WHICH CONDITIONS?



(SECTION 5 CONTINUED)

INCOMPATIBILITY WITH OTHER SUBSTANCES YES X NO IF SO, WHICH ONES? STRONG OXIDIZING AGENTS, HIGH TEMPERATURE SPARK, OPEN FLAMES AND OTHER SOURCES OF IGNITION. REACTIVITY, AND UNDER WHAT CONDITIONS? REACTIVE -> STRONG OXIDIZING AGENTS, HIGH TEMPERATURE SPARK, OPEN FLAMES AND OTHER SOURCES OF IGNITION.

HAZARDOUS DECOMPOSITION PRODUCTS NONE

SECTION 6: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN CONTACT X SKIN ABSORPTION (NO) EYE CONTACT X INHALATION X DIGESTION X

EFFECTS OF ACCUTE EXPOSURE TO PRODUCT: INHALATION: DIZZINESS, HEADACHE, NAUSEA. EXTREME EXPOSURE CAN CAUSE LOSS OF CONSCIOUSNESS, COMA AND DEATH. SKIN: IRRITATION; RASH. INGESTION: CHEMICAL PNEUMONIA MAY RESULT WHICH CAN BE FATAL.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: INHALATION: LONG-TERM EXPOSURE CAN LEAD TO DAMAGE OF LIVER, KIDNEYS AND LUNGS AND MAY CAUSE PERMANENT NEUROLOGICAL DAMAGE. SKIN: SENSITIVITY MAY DEVELOP. INGESTION: NOT KNOWN.

Table with 4 columns: EXPOSURE LIMITS (Toluene, Solvent Naptha, N. Heptane, Aluminum, Mineral Spirits), IRRITANCY OF PRODUCT (Skin contact can cause irritation), SENSITIZATION TO PRODUCT (A small percentage of people may develop sensitization which can cause skin rash), and CARCINOGENICITY (Not identified as a carcinogen).

Table with 4 columns: TERATOGENICITY (NO DATA), REPRODUCTIVE TOXICITY (NO DATA), MUTAGENICITY (NEGATIVE), SYNERGISTIC PRODUCT (NO DATA)

SECTION 7: PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: GLOVES (SPECIFY): SOLVENT RESISTANT SUCH AS VITON. RESPIRATOR (SPECIFY) USE NIOSH APPROVED SUPPLIED AIR RESPIRATOR UNLESS ORGANIC VAPOUR TYPE APPLICABLE. EYES (SPECIFY): CHEMICAL GOGGLES.

FOOTWEAR (SPECIFY): LEATHER SHOES OR BOOTS. CLOTHING (SPECIFY): LONG SLEEVED SHIRT, FULL PANT LEGS. OTHER (SPECIFY): NOT REQUIRED.

ENGINEERING CONTROLS (SPECIFY I.E., VENTILATION, ENCLOSED PROCESS): USE PROPER SELF-CONTAINED OR SUPPLIED AIR RESPIRATOR IN CONFINED SPACES. REMOVE OR DISCONNECT FLAME OR SPARK SOURCES. USE EXPLOSION-PROOF EQUIPMENT ONLY. PROVIDE SUPPLEMENTARY MECHANICAL EXHAUST VENTILATION TO CONTROL VAPOUR CONCENTRATION IN ENCLOSED AREAS.

LEAK AND SPILL PROCEDURE: ELIMINATE ALL IGNITION SOURCES. GROUND AND BOND EQUIPMENT TO PREVENT SPARKS. FOR LARGE SPILLS EVACUATE UNPROTECTED PERSONNEL FROM THE AREA. USE SUPPLIED AIR RESPIRATOR (SCBA) AND IMPERVIOUS GLOVES AND COVERALLS.

WASTE DISPOSAL: SOAK UP RESIDUE WITH AN ABSORBANT SUCH AS CLAY OR OTHER INERT POWDER. PLACE IN NON-LEAKING CONTAINER, DISPOSE WASTE IN ACCORDANCE WITH ALL FEDERAL, PROVINCIAL AND LOCAL REGULATIONS.

HANDLING PROCEDURES AND EQUIPMENT: ELIMINATE ALL IGNITION SOURCES, GROUND AND BOND HANDLING EQUIPMENT TO PREVENT SPARKS. USE EXPLOSION-PROOF EQUIPMENT ONLY. FOLLOW MANUFACTURER'S HANDLING AND OPERATIONS MANUAL (FOUND AT YOUR SUPPLIER).

STORAGE REQUIREMENTS: STORE DRUMS OUTSIDE OR INSIDE IN ACCORDANCE WITH APPLICABLE GOVERNMENT REGULATIONS. AVOID FLAME, SPARK AND IGNITION SOURCES.

SPECIAL INFORMATION: SHIP AS RESIN SOLUTION UN 1866 FLAMMABLE 3 LIQUID. DO NOT DOUBLE STACK DRUMS OR DRUMS/SKIDS.

SECTION 8: FIRST AID MEASURES

SPECIFIC MEASURES: EMERGENCY FIRST AID PROCEDURES: INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION. SKIN: FLUSH WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION INTO LUNGS. GET MEDICAL ATTENTION. EYE CONTACT: FLUSH WITH RUNNING WATER FOR AT LEAST FIFTEEN (15) MINUTES. GET MEDICAL ATTENTION.

SECTION 9: PREPARATION DATE OF MSDS

Table with 5 columns: PREPARED BY: (GROUP, DEPARTMENT ETC.): R.P.C., INC. OFFICER OF SAFETY; PHONE NUMBER: 330-945-7721; FAX NUMBER: 330-945-9416; PREPARATION DATE: March 31, 2010; SUPERCEDES ISSUE DATE: January 1, 2010

24 HOUR EMERGENCY CONTACT NUMBER FOR USA & CANADA CHEMTREC 1-800-424-9300