

MATERIAL SAFETY DATA SHEET

SECTION 1 MANUFACTURER/SUPPLIER INFORMATION

MS-38150000

MANUFACTURER/SUPPLIER NAME: YUNG CHI PAINT & VARNISH MFG CO., LTD.	
MANUFACTURER/SUPPLIER ADDRESS: 26, YEN HAI 3RD ROAD, KAOHSIUNG, TAIWAN, R.O.C	
CONSULTANTS NAME AND PHONE NO: 07-8713181 (15 LINES)	F. D o o n
EMERGENCY CONTACT PHONE ON: 07-8713181	FAX NO: 07-8715443

SECTION 2 INFORMATION DATE

PRODUCT NAME: Firecut FM-900 Solvent-based Intumescent Mastic Coating								
SYNONYMS: PAINTS								
HAZARDOUS INGREDIENTS			C.A.S. NO.	PERMISSIBLE EXPOSURE LIMITS			LD50	LC50
CHEMICAL NAME Chinese (English)	CHEMICAL FORMULA	CONCENTRATION %		TIME WEIGHTED AVERAGE (TWA)	SHORT TERM EXPOSURE LIMIT (STEL)	MAXIMUM EXPOSURE LIMIT (CEILING)	(animal tested, route of intake)	(animal tested, route of intake)
xylene	C ₈ H ₁₀	< 5	01330-20-7	100ppm	125ppm	---	2.5~10mg/kg ORAL,RAT	29g/m ³ /4H SMELL,RAT
PCA	C ₆ H ₁₂ O ₃	< 20	00108-65-6	150ppm	187.5ppm	---	5660mg/kg ORAL,RAT	15000ppm/4H SMELL,RAT
MIBK	C ₆ H ₁₂ O	< 5	00108-10-1	50ppm	75ppm	---	2080mg/kg ORAL,RAT	23300mg/m ³ SMELL,RAT
aromatic solvent	C, H MIXTURE	< 5	64742-94-5	200ppm	250ppm	---	> 5mg/kg ORAL,RAT	---

SECTION 3 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: <input type="checkbox"/> paste <input type="checkbox"/> powder		PH: 7
<input type="checkbox"/> solid <input checked="" type="checkbox"/> liquid <input type="checkbox"/> gas		APPEARANCE: Grey
		ODOR: Solvent
BOILING POINT: °F 114 °C	MELTING POINT: °F -84°C	VAPOR PRESSURE: mmHg 19.9 psi
VAPOR DENSITY:(air=1):		SPECIFIC GRAVITY(H ₂ O=1): 1.34
evaporation rate:(Ethyl ACETATE=1): 1.4		SOLUBILITY IN WATER: 2.04

SECTION 4 FIRE AND EXPLOSION INFORMATION

FLASH POINT: °F 16 °C	EXPLOSION LIMITS	Lower EXPLOSION LIMIT(LEL): 1.4 %
TEST METHOD: <input type="checkbox"/> open cup <input checked="" type="checkbox"/> closed cup		Upper EXPLOSION LIMIT(UEL): 7.5 %
Fire Fighting Agent: CO ₂ , CHEMICAL DRY POWDER, FOAM.		
FIRE	SPECIAL FIRE FIGHTING PROCEDURES: WATER IS NOT SUITABLE, STEAM CAN COOL DOWN THE CONTAINER, WEAR PROTECTIVE CLOTHING AND EQUIPMENT.	

SECTION 5 REACTIVITY INFORMATION

STABILITY	STABLE	✓	CONDITIONS TO AVOID: KEEP AWAY FROM HEAT, OPEN FLAME.
	UNSTABLE		HAZARDOUS DECOMPOSITION: CO , CO ₂
HAZARDOUS POLYMERIZATION	POSSIBLE		CONDITIONS TO AVOID: _____
	IMPOSSIBLE	✓	
INCOMPATIBILITY	MATERIALS TO AVOID: STRONG OXIDIZERS.		

SECTION 6 HEALTH HAZARDS AND FIRST AID MEASURES

ROUTE OF ENTERING HUMAN BODY:	<input checked="" type="checkbox"/> inhalation	<input checked="" type="checkbox"/> skin contact
	<input checked="" type="checkbox"/> ingestion	
EFFECTS OF EXPOSURE:	acute: CAN DAMAGE CENTRAL NERVOUS SYSTEM , KIDNEY , LIVER. conic: IRRITATING SKIN , MUCOUS MEMBRANES , EYE , CAN CAUSE HEADACHE , DIZZINESS	
SYMPTOM AND SIGNS OF EXPOSURE:	STEAM WILL IRRITATE SKIN , MUCOUS MEMBRANES , EYES , CAN CAUSE HEADACHE DIZZINESS , SWALLOWED WILL DAMAGE CENTRAL NERVOUS SYSTEM , KIDNEY & LIVER.	
EMERGENCY RESPONSE AND FIRST AID MEASURES:	IF AFFECTED BY INHALATION OF VAPOR , REMOVE TO FRESH AIR. FOR SKIN OR EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES GET MEDICAL ATTENTION. FOR SWALLOWED: CALL PHYSICIAN.	

SECTION 7 MEASURES TO PREVENT EXPOSURE

PERSONAL PROTECTIVE EQUIPMENT	EYES: PROTECTIVE GLASSES & MASK.
	RESPIRATORY: APPROVED RESPIRATORY EQUIPMENT & TOXIC-PROOF MASK.
VENTILATION	GLOVES: PROTECTIVE GLOVES.
	OTHERS: PROTECTIVE SUIT & SHOES.
HANDLING AND STORAGE PRECAUTIONS	EXPLOSION-PROOF VENTILATION , WHICH WAN'T CAUSE SPARKS.
PERSONAL HYGIENE	1.KEEP CONTAINER CLOSED WHEN NOT IN USE. .2.KEEP AWAY FROM HEAT , OPEN FLAME. 3.STORE IN COOL , DRY , WELL-VENTILATED AREA. 4.KEEP AWAY FROM CRACK OR IMPACT.
	1.WEAR PERSONAL PROTECTIVE CLOTHING. 2.CLEAN SKIN.CONTAMINATED CLOTHING AFTER USE.

SECTION 8 RESPONSE TO SPILLS AND WASTE DISPOSAL

EMERGENCY RESPONSE TO SPILLS	1.CLEAN PERSONAL PROTECTIVE CLOTHING。 2.DISPOSE CONTAMINATED GOODS IN SEPARATE ; CLOSED MATEL CONTAINER。
WASTE DISPOSAL METHODS	1.DISPOSED BY DISPOSAL TREAENT COMPANY。 2.CONTACT WITH ENVIRONMENTAL PROTECTION DEPARTMENT OF GOVERNMENT。

SECTION 9 TRANSPORTATION INFORMATION

UNITED NATION NUMBER(UN NO.)	1263	HAZARD CLASSIFICATION		HAZARD LABELS	3
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SECTION 10 INFORMATION OF MSDS PREPARATION

ORGANIZATION THAT PREPARED THE MSDS	NAME: YUNG CHI PAINT & VARNISH MFG CO., LTD.				
	ADDRESS: 26, YEN HAI 3RD ROAD, KAOHSIUNG, TAIWAN, R.O.C				
	TELEPHONE: 07-8713181(15 LINE)				
PERSON WHO PREPARED THE MSDS	JOB TITEL: Engineer NAME: F.Doon				
DATA THE MSDS WAS PREPARED	DAY	04	MONTH	03	YEAR 2003

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