

MATERIAL SAFETY DATA SHEET

NO. 2020A

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

MANUFACTURER'S NAME / ADDRESS

FLAME CONTROL COATINGS LLC
4120 HYDE PARK BLVD.
NIAGARA FALLS, N.Y. 14305

TRADE NAME: NO. 2020A
COLOR: WHITE AND PASTEL TINTS
MAIN USE: INTUMESCENT FIRE RETARDANT PAINT

EMERGENCY TELEPHONE NUMBER: 800-535-5053

ISSUE DATE: JANUARY 9, 2008

REVISION DATE: JANURAY 13, 2012

PREPARED BY: D. LONG

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	Wt. %	CAS Number
1,3,5-TRIAZINE-2,4,6-TRIAMINE	5-10	000108-78-1
TITANIUM DIOXIDE	5-10	013463-67-7
DIETHYLENE GLYCOL MONOETHYL ETHER ACETATE	0.1-1.0	000112-15-2
ETHYLENE GLYCOL	0.1-1.0	000107-21-1

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: EYE CONTACT, SKIN CONTACT, INHALATION, INGESTION.

HEALTH HAZARDS (ACUTE AND CHRONIC EXPOSURES)

EYES:

ACUTE – MAY CAUSE MILD IRRITATION WITH BLURRED VISION.

CHRONIC– ND

SKIN CONTACT:

ACUTE – TRANSIENT IRRITATION AND REDNESS

CHRONIC – ND

SKIN ABSORPTION:

ACUTE – ND

CHRONIC – ND

INHALATION:

ACUTE – INHALATION OF MISTS MAY CAUSE MILD RESPIRATORY TRACT IRRITATION.

CHRONIC – EXCESSIVE EXPOSURE TO HEATED VAPORS CAN CAUSE IRRITATION OF EYES, NOSE AND THROAT.

INGESTION:

ACUTE – MAY CAUSE MILD IRRITATION OF GASTRO-INTESTINAL TRACT

CHRONIC – ND

CONDITIONS AGGRAVATED BY EXPOSURE: NONE KNOWN.

OVEREXPOSURE EFFECTS: IRRITATION

IRRITANCY: YES - REVERSIBLE

SENSITIZER: NO

SECTION 4: FIRST AID MEASURES

GENERAL: REMOVE AFFECTED PERSON FROM AREA. TREAT SYMPTOMATICALLY.

EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION: MOVE TO FRESH AIR. IF BREATHING REMAINS OR BECOMES LABORED, SEEK MEDICAL ATTENTION.

INGESTION: GIVE 3 – 4 GLASSES OF MILK OR WATER. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

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SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: NA

CONDITIONS OF FLAMMABILITY: NA

FLAMMABLE LIMITS: LEL: NE UEL: NE

OSHA CLASS: NONE SHOWN

AUTO IGNITION TEMP.: NA

HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂

SENSITIVITY TO IMPACT: NONE

SENSITIVITY TO STATIC DISCHARGE: NONE

EXTINGUISHING MEDIA: WATER, CO₂, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: NONE LIKELY WITH SMALL QUANTITIES. FOR LARGE QUANTITIES, FIREFIGHTERS AND OTHERS EXPOSED TO VAPORS OR PRODUCTS OF COMBUSTION SHOULD WEAR BUTYL RUBBER BOOTS, GLOVES AND BODY SUIT. SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: POLYMER FILM CAN BURN, MATERIAL CAN SPLATTER ABOVE 100°C

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: COVER SPILLS WITH ABSORBENT. PLACE IN METAL CONTAINERS FOR RECOVERY OR DISPOSAL. PREVENT ENTRY INTO SEWERS, STORM DRAINS, AND WATERWAYS.

SECTION 7: HANDLING AND STORAGE

GENERAL: STORE IN COOL, WELL VENTILATED AREAS. KEEP AWAY FROM HEAT AND OPEN FLAMES. AVOID PROLONGED INHALATION OF HEATED VAPORS OR MISTS. AVOID PROLONGED SKIN CONTACT.

STORAGE: STORE BETWEEN 40°F AND 100°F PROTECTED FROM FROST AND DIRECT SUNLIGHT.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

INGREDIENTS (CAS)	EXPOSURE LIMITS (ppm)				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	TLV	
000108-78-1	NE	NE	NE	NE	
013463-67-7	10mg/m ³	ND	10mg/m ³	ND	(SEE NOTE 1)
000112-15-2	NE	NE	NE	NE	
000107-21-1	NE	125 mg/m ³	NE	100 mg/m ³	

LEGEND: (M) MAX. EXPOSURE LIMIT; (S) OCCUPATIONAL EXP. LIMIT; (R) SUPPLIERS REC. LIMIT, (+) PERCUTANEOUS RISK
NOTE 1: VALUES MEANINGFUL ONLY WHEN HARDENED PRODUCT IS ABRADED, GROUND, ETC.

ENGINEERING CONTROLS: NO SPECIFIC CONTROLS NEEDED. GENERAL AND LOCAL EXHAUST RECOMMENDED.

RESPIRATORY PROTECTION: NONE REQUIRED IN ADEQUATELY VENTILATED AREAS. IF CONCENTRATION EXCEEDS 20ppm FOR LONGER THAN 15 MINUTES, A NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPORS IS RECOMMENDED.

PROTECTIVE GLOVES: NITRILE RUBBER

EYE PROTECTION: SPLASH-PROOF GOGGLES OR CHEMICAL SAFETY GLASSES

OTHER PROTECTIVE EQUIPMENT: LONG SLEEVED SHIRTS AND TROUSERS. EMERGENCY EYE WASH STATIONS SHOULD BE READILY ACCESSIBLE.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: >100°C (>212°F)

SPECIFIC GRAVITY: 1.25-1.35

VAPOR PRESSURE: ND

MELTING POINT: ND

VAPOR DENSITY: >1
(AIR = 1)

EVAPORATION RATE: <1
(BUTYL ACETATE = 1)

SOLUBILITY IN WATER: DILUTABLE

pH: 8.0 TO 11.5

COEFFICIENT of WATER/OIL DISTRIBUTION: ND

ODOR THRESHOLD: ND

APPEARANCE AND ODOR: WHITE OR PASTEL PIGMENTED LIQUID, MILD ODOR

% VOLATILES BY VOLUME: 54%

% SOLIDS BY WEIGHT: 59%

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID: AVOID ELEVATED TEMPERATURES

INCOMPATIBILITY (MATERIAL TO AVOID): NONE KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

HAZARDOUS POLYMERIZATION (REACTIVITY): WILL NOT OCCUR

CONDITIONS TO AVOID: KEEP FROM FREEZING

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENIC DATA: NTP: NONE
TERATOGENICITY: NO
EMBRYOTOXICITY: NO

OSHA: NONE
MUTAGENICITY: NO
SYNERGISTIC MATERIAL: NO

IARC: NONE

ACUTE TOXICITY EFFECTS: NA

LONG TERM EXPERIENCE OF THIS PRODUCT TYPE INDICATES NO DANGER TO HEALTH WHEN PROPERLY HANDLED UNDER INDUSTRIAL CONDITIONS.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NE

ECOTOXICITY: NE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: AT THIS TIME, MATERIAL AND ITS CONTAINERS WOULD NOT BE CONSIDERED HAZARDOUS WASTE AS DEFINED UNDER RCRA REGULATIONS. CHECK FOR DISPOSAL COMPLIANCE UNDER FEDERAL, STATE AND LOCAL AUTHORITIES.

SECTION 14: TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: LIQUID LATEX, NOT REGULATED BY DOT

HAZARD CLASS: NONE

PACKING GROUP: NOT APPLICABLE

UN NUMBER: NOT APPLICABLE

IMO SHIPPING DATA: NOT REGULATED

ICAO/IATA SHIPPING DATA: NOT REGULATED

SECTION 15: REGULATORY INFORMATION

MATERIAL VOC = 24 gram / liter

COATING VOC = 49 gram/liter

TSCA (TOXIC SUBSTANCE CONTROL ACT): ALL COMPONENTS ARE LISTED IN THE TSCA CHEMICAL SUBSTANCE INVENTORY.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION and LIABILITY ACT): ND

SECTION 312 HAZARD CLASS: SLIGHT HEALTH HAZARD

SECTION 313 LISTED INGREDIENTS: ETHYLENE GLYCOL (CAS #00107-21-1)

SECTION 16: OTHER INFORMATION

HMIS:

HEALTH 1

FLAMMABILITY 0**REACTIVITY** **0**

ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGEIENISTS

OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

STEL: SHORT TERM EXPOSURE LIMIT

TWA: TIME WEIGHTED AVERAGE

PEL: PERMISSABLE EXPOSURE LIMIT

TLV: THRESHOLD LIMIT VALUE

NA: NOT APPLICABLE

NE: NOT ESTABLISHED

ND: NO DATA

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