

SAFETY DATA SHEET

FLAME CONTROL NO. 40-40A - WHITE AND PASTEL TINTS

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

TRADE NAME: FLAME CONTROL NO. 40-40A - WHITE AND PASTEL TINTS

CHEMICAL FAMILY: GENERAL PURPOSE LATEX

MAIN USE: CLASS A FIRE RETARDENT FOR NONCOMBUSTIBLE SURFACES

MANUFACTURER'S NAME / ADDRESS: FLAME CONTROL COATINGS LLC
4120 HYDE PARK BLVD.
NIAGARA FALLS, N.Y. 14305

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SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: WHITE OR PASTEL COLOR

IMPORTANT HAZARDS:

GHS LABEL ELEMENTS HAZARD PICTOGRAMS:



EMERGENCY OVERVIEW: DANGER!
HARMFUL IF SWALLOWED
HARMFUL IF INHALED
CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION
MAY BE HARMFUL IF ABSORBED THROUGH SKIN
POSSIBLE CANCER HAZARD
CONTAINS MATERIAL WHICH CAN CAUSE CANCER

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.

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SECTION 2: HAZARDS IDENTIFICATION (CON'T)

OVEREXPOSURE EFFECTS: IRRITATION

IRRITANCY: YES - REVERSIBLE

SENSITIZER: NO

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE: MIXTURE

OTHER MEANS OF IDENTIFICATION: NOT AVAILABLE

HAZARDOUS INGREDIENTS	Wt. %	CAS Number
TITANIUM DIOXIDE	15-40	013463-67-7
CALCIUM CARBONATE	5-10	001317-65-3
PROPYLENE GLYCOL	5-10	000057-55-6
ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE	0.1-1.0	000112-07-2
2-AMINO-2 METHYL-1-PROPANOL	0.1-1.0	000124-68-5
TRIS (2-CHLOROETHYL) PHOSPHATE	0.1-1.0	000115-96-8

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.** GET MEDICAL ATTENTION.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: WATER, CO₂, DRY CHEMICAL

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂

HAZARDOUS POLYMERIZATION (REACTIVITY): WILL NOT OCCUR.

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.

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SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
013463-67-7	10mg/m ³	ND	10mg/m ³	ND	(SEE NOTE 1)
001317-65-3	15mg/m ³	ND	15mg/m ³	ND	(SEE NOTE 1)
000057-55-6	NE	NE	NE	NE	
000112-07-2	20	NE	20	NE	
000124-68-5	NE	NE	NE	NE	
000115-96-8	NE	NE	NE	NE	

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

PHYSICAL STATE: LIQUID

COLOR: WHITE OR PASTEL

ODOR: MILD

pH: 8.0-11.5

MELTING POINT: ND

BOILING POINT: >100°C (>212°F)

FLASHPOINT: NA

EVAPORATION RATE: <1 (BUTYL ACETATE = 1)

% SOLIDS BY WT: 54%

FLAMMABLE LIMITS: NOT AVAILABLE

LOWER EXPLOSION LIMIT: NA

UPPER EXPLOSION LIMIT: NA

VAPOR PRESSURE: NA

VAPOR DENSITY: >1 (AIR = 1)

SPECIFIC GRAVITY: 1.0-1.1

COEFFICIENT OF WATER/OIL DISTRIBUTION: ND

AUTO IGNITION TEMP: NA

% VOLATILES BY VOLUME: 60%

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

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SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY

PRODUCT/INGREDIENT NAME	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-

TERATOGENICITY: ND
EMBRYOTOXICITY: ND

MUTAGENICITY: ND
SYNERGISTIC MATERIAL: ND

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

TOXICITY: NA

PERSISTENCE AND DEGRADABILITY: NA

BIOACCUMULATIVE POTENTIAL: NA

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 = 92 gram/ liter

COATING VOC = 187 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

SARA TITLE III

SECTION 312 HAZARD CLASS: SLIGHT HEALTH HAZARD

SECTION 313 LISTED INGREDIENTS: ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE (CAS #000112-07-2)

CALIFORNIA PROPOSITION 65: The below list of compounds is known to the State of California to cause cancer, birth defects or other reproductive harm: TRIS (2-CHLOROETHYL) PHOSPHATE (CAS #00115-96-8)

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SECTION 16: OTHER INFORMATION

HAZARD RATING

HMIS: **HEALTH 1** **FLAMMABILITY 0** **REACTIVITY 0**

LEGEND

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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