

M A T E R I A L S A F E T Y D A T A S H E E T

DELTA COATINGS CORPORATION
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NEW MSDS

PREPARER: JB

SECTION I - PRODUCT IDENTIFICATION

HARDENER FOR H/S EPOXY
- PAINT UN1263
C1540

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. PERCENT (TLV TWA)	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE mmHg 30C	KNOWN OR SUSPECTED CARCINOGEN	S&C 313
			(TLV-STEL)	(PEL)			
ETHYLENE	100-41-4	9%	100 PPM	150 PPM	0.0	NO	NO
TRIS(4-VINYLBENZYL)AMINE	112-24-3	7%	NO INFO	NO INFO	7.1	YES	YES
XYLENE, MIXED ISOMERS	1330-20-7	45%	100 PPM	150 PPM	0.0	NO	YES
					9.9	NO	YES

- ERROR - C0

Item (POQM) Item - Vendor Quotation Maintenance / PAGE 1 OF 2	
Item No: 7010067	Description: CATALYST FOR HIGH SOLIDS PAINT
Desc2: 1540	Desc3:
Vendor No: 25	Name: DELTA COATINGS CORP
Vendor Item: C1540-1225	Item Vendor File Security:

THIS PRODUCT CONTAINS ONE OR MORE MATERIALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND THE COMMUNITY RIGHT-TO-KNOW ACTS OF 1986 AND OF 40 CFR 371.

N.A. - NOT APPLICABLE

SECTION III - PHYSICAL DATA

BOILING RANGE : 136-290 F
ODOR : CHARACTERISTIC
APPEARANCE :
VOLATILE BY WEIGHT: 54.0%
VOLATILE BY VOLUME: 56.5%

VAPOR DENSITY : IS HEAVIER THAN AIR
EVAPORATION RATE: IS SLOWER THAN ETHER
SOLUBILITY : NOT APPLICABLE
PRODUCT DENSITY : 7.6 LBS./GAL. (U.S.)

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:

FLASH POINT: 77 F
(SETAFLASH CLOSED CUP)LEL: 0.8 %
UEL: 7.0 %OSHA - FLAMMABLE LIQUID - CLASS IC
DOT - FLAMMABLE LIQUID OR SOLID

EXTINGUISHING MEDIA: DRY CHEMICAL CARBON DIOXIDE FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: EXTREMELY FLAMMABLE! VAPORS FORM AN EXPLOSIVE MIXTURE. FLAMES, HOT SURFACES, AND ELECTRICAL, STATIC OR FRICTIONAL SPARKS ARE ALL POSSIBLE SOURCES OF IGNITION. CLOSED CONTAINERS MAY RUPTURE IF EXPOSED TO EXTREME HEAT.

SPECIAL FIREFIGHTING PROCEDURES:

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE: OVEREXPOSURE TO VAPORS MAY CAUSE HEADACHE, DIZZINESS AND NAUSEA. SKIN CONTACT: MAY CAUSE IRRITATION OR REDNESS. ABSORBED THROUGH THE SKIN WITH PROLONGED CONTACT. XYLENE CAUSES HARM TO THE FETUS IN LABORATORY ANIMAL STUDIES. EYE CONTACT: CAUSES SEVERE IRRITATION. INGESTION: MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT AND POSSIBLE INJURY.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSEPTIBLE TO CHAPPING AND IRRITATION FROM THIS PRODUCT. PERSONS WITH IMPAIRED LUNG FUNCTION OR ASTHMA-LIKE CONDITIONS MAY EXPERIENCE ADDITIONAL BREATHING DIFFICULTIES.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES: INHALATION: REMOVE VICTIM TO FRESH AIR AND GIVE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF VICTIM IS NOT BREATHING. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH SKIN WITH SOAP AND WATER. IF IRRITATION OR REDNESS DEVELOPES AND PERSISTS, SEEK MEDICAL ATTENTION. EYE CONTACT: FLUSH EYES WITH LOW PRESSURE WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

SECTION VI - REACTIVITY DATA

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: MAY PRODUCE HAZARDOUS FUMES WHEN SUBJECT TO THERMAL DECOMPOSITION. FUMES MAY CONTAIN SOOT, SMOKE, CARBON DIOXIDE AND/OR CARBON MONOXIDE.

CONDITIONS TO AVOID: ELEVATED STORAGE TEMPERATURE AND INADEQUATE VENTILATION.

INCOMPATABILITY: ** MSDS - (REACTIVITY) INCOMPATABILITY: MATERIALS TO AVOID **
(671-699)

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SECTION VII - SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: AVOID BREATHING VAPOR. REMOVE ALL SOURCES OF IGNITION (FLAMES/HOT SURFACES/ELECTRICAL, STATIC OR FRICTIONAL SPARKS). ENSURE ADEQUATE VENTILATION. SHUT OFF LEAK IF IT CAN BE DONE SAFELY. WEAR PROTECTIVE CLOTHING AND ORGANIC DUST RESPIRATOR. USE SAND OR EARTH DIKES TO CONTAIN THE SPILL. SPREAD INERT ABSORBENT ON SPILL AREA AND REMOVE TO A METAL CONTAINER USING NON-SPARKING TOOLS. SEAL CONTAINER USING NON-SPARKING TOOLS. REMOVE LAST TRACES OF MATERIAL BY FLUSHING WITH LARGE AMOUNTS OF WATER.

WASTE DISPOSAL METHOD: INCINERATION IS THE PREFERRED METHOD OF DISPOSAL. DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

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SECTION VIII - SAFE HANDLING AND USE INFORMATION

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RESPIRATORY PROTECTION: N.I.O.S.H./O.S.H.A. APPROVED RESPIRATOR REQUIRED IF AIRBORNE LEVELS EXCEED LIMITS LISTED IN SECTION II.

VENTILATION: SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP TLV OF MATERIALS LISTED IN SECTION II BELOW ACCEPTABLE LIMITS AND L.E.L. IN SECTION IV BELOW STATED LIMIT.

PROTECTIVE GLOVES: NEOPRENE GLOVES REQUIRED TO PREVENT SKIN CONTACT.

EYE PROTECTION: USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUID. CHEMICAL GOGGLES WITH SIDE SHIELDS OR FULL FACE SHIELD RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT: CLOTHING ADEQUATE TO PROTECT SKIN REQUIRED.

HYGENIC PRACTICES: WASH HANDS BEFORE EATING OR SMOKING. SMOKE ONLY IN DESIGNATED AREAS.

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SECTION IX - SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG FLOOR A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS SHOULD BE GROUNDED DURING POURING. AVOID FREE FALL OF LIQUID IN EXCESS OF A FEW INCHES.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

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SECTION X - HMIS RATINGS

HEALTH: 2

FLAMMABILITY: 3

REACTIVITY: 0

PERSONAL PROTECTION: X

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THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.