

MATERIAL SAFETY DATA SHEET

NEWPORT ADHESIVES AND COMPOSITES, INC.
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IRVINE, CA. 92614-5714

EMERGENCY PHONE NUMBER
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SECTION I - IDENTITY INFORMATION

IDENTITY (TRADE NAME): NCT-301, NCT-301-1, NCT-301-2, NCT-301-5, NCT-301-5F, NCT-301D, NCT-301X, NCT-301-1X, NCT-303, NCT-304-1, NCT-1100

FAMILY/CHEMICAL NAME: FORMULATED EPOXY RESIN

PRODUCT TYPE: EPOXY CARBON FIBER PREPREG

IMPORTANT:

THIS MATERIAL IS NOT TO BE SOLD FOR USE IN PRODUCTS FOR WHICH PROLONGED CONTACT WITH MUCOUS MEMBRANES, ABRADED SKIN, OR IMPLANTATION WITHIN THE HUMAN BODY IS SPECIFICALLY INTENDED. BECAUSE OF THE WIDE RANGE OF SUCH POTENTIAL USES, NEWPORT CORPORATION IS NOT ABLE TO RECOMMEND THIS MATERIAL AS SAFE AND EFFECTIVE FOR SUCH USES AND ASSUMES NO LIABILITY FOR ANY SUCH USES.

HAZARD STATEMENT:

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200. THIS PRODUCT IS CONSIDERED TO BE A HAZARDOUS CHEMICAL UNDER THAT STANDARD.

CALIFORNIA PROPOSITION 65

THIS PRODUCT CONTAINS A CHEMICAL KNOWN BY THE STATE OF CALIFORNIA TO CAUSE CANCER.

SPECIFIC CHEMICAL NAME:

THIS EXACT CHEMICAL IDENTITY OF THIS COMPONENT IS A TRADE SECRET

CAS #: NA

COMMON NAME:

EPOXY POLYMER

EXPOSURE LIMITS:

OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

THIS CHEMICAL IS NOT CONSIDERED TO BE CARCINOGENIC BY NTP, IARC, OR OSHA.

SECTION II - HAZARDOUS INGREDIENTS CONTINUED

SPECIFIC CHEMICAL NAME:

THIS EXACT CHEMICAL IDENTITY OF THIS COMPONENT IS A TRADE SECRET

CAS #: **7440-44-0 CARBON FIBER**

CAS #: NOT AVAILABLE

COMMON NAME:

EPOXY POLYMER

EXPOSURE LIMITS:

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

THIS CHEMICAL IS NOT CONSIDERED TO BE CARCINOGENIC BY NTP, IARC, OR OSHA.

SPECIFIC CHEMICAL NAME:

THIS EXACT CHEMICAL IDENTITY OF THIS COMPONENT IS A TRADE SECRET

CAS #: NOT AVAILABLE

COMMON NAME:

GLYCIDYL AMINO PHENOL

EXPOSURE LIMITS:

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

THIS CHEMICAL IS NOT CONSIDERED TO BE CARCINOGENIC BY NTP, IARC, OR OSHA.

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR: **AMBER LIKE FILM, SLIGHT ODOR ON (BLACK) CARBON FIBER**

MELTING POINT: 60C

DECOMPOSITION TEMPERATURE: >300C

PERCENT VOLATILE: 1%

SOLUBILITY IN WATER: INSOLUBLE

SPECIFIC GRAVITY: 1.19

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NOT DETERMINED

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER SPRAY

FIRE FIGHTING PROCEDURES - SPECIAL:

USE SELF - CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER. IN THE CASE OF LARGE FIRES, ALSO COOL SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC

SECTION V - REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: AVOID CONDITIONS OVER 300 °F.

INCOMPATIBILITY: STRONG OXIDIZERS, ACIDS AND BASES

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION AND BURNING MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES AND OTHER TOXIC ORGANIC SPECIES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: DERMAL

SKIN IRRITATION: IRRITANT

EYE IRRITATION: IRRITANT

SENSITIZATION: SENSITIZER

OVEREXPOSURE EFFECTS: IRRITATION, SENSITIZATION AND DERMATITIS

OVEREXPOSURE-CHRONIC: NO KNOWN HAZARDS

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: SKIN AND EYE CONTACT

SECTION VI - EMERGENCY PROCEDURES.

EMERGENCY AND FIRST-AID PROCEDURES FOR EYES:

PROMPTLY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION

EMERGENCY AND FIRST-AID PROCEDURES FOR SKIN:

PROMPTLY WASH WITH SOAP AND WATER. ANY MATERIAL ADHERING TO SHIN SHOULD BE REMOVED WITH RESIN REMOVING CREAMS. DO NOT USE SOLVENTS.

EMERGENCY AND FIRST-AID PROCEDURES FOR INGESTION:

IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER. GET MEDICAL ATTENTION.

EMERGENCY AND FIRST-AID PROCEDURES FOR INHALATION:

REMOVE TO FRESH AIR. CALL A PHYSICIAN

EMERGENCY AND FIRST-AID PROCEDURES FOR OTHER:

REMOVE AND WASH CONTAMINATED CLOTHING PRIOR TO REUSE

SECTION VII - SPILL OR LEAK PROCEDURES

SPILL PROCEDURES:

COLLECT AND PLACE INTO CLOSABLE CONTAINER FOR DISPOSAL. WEAR PROTECTIVE EQUIPMENT SPECIFIED BELOW.

WASTE DISPOSAL METHODS:

BURY OR INCINERATE IN APPROVED SITE OR FACILITY IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

VENTILATION: GOOD GENERAL MECHANICAL VENTILATION AND LOCAL EXHAUST ARE REQUIRED TO MEET THE RECOMMENDED TWA.

PROTECTIVE GLOVES: WORK GLOVES RECOMMENDED

EYE PROTECTION: WEAR SAFETY GOGGLES TO PROTECT EYES FROM DUST AND LOOSE FIBERS DURING HANDLING OR MACHINING.

RESPIRATORY PROTECTION: USE NIOSH APPROVED DUST RESPIRATOR, OR DUST MASK WHERE DUST ARISES FORM USE.

OTHER PROTECTIVE EQUIPMENT:

WEAR PROTECTIVE CLOTHING. APPLY BARRIER CREAM FOR THE PROTECTION OF EXPOSED SKIN.

SECTION IX - SPECIAL PRECAUTIONS

HANDLING, SHIPPING AND STORING PRECAUTIONS:

WARNING!!! HARMFUL IF INHALED, ABSORBED THROUGH THE SKIN OR SWALLOWED. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. DO NOT BREATH DUST. GOOD VENTILATION AND GOOD PERSONAL HYGIENE ARE ESSENTIAL. STOW AWAY FROM FOOD, FOOD CONTAINERS, AND CLOTHING. STORE IN DRY CHEMICAL STORAGE FACILITY IN TIGHTLY CLOSED CONTAINERS. WASH THOROUGHLY AFTER HANDLING,

AND BEFORE EATING, DRINKING OR SMOKING. USE CLEAN CLOTHING DAILY. A SHOWER AFTER WORK IS RECOMMENDED.

SECTION X - REGULATORY INFORMATION

DOT CLASS: NOT REGULATED

RCRA STATUS: NOT A HAZARDOUS WASTE UNDER RCRA (40 CFR 261)

CERCLA STATUS: NOT REGULATED

SARA/TITLE III-TOXIC CHEMICAL LIST: THIS PRODUCT DOES NOT CONTAIN A TOXIC CHEMICAL FOR ROUTINE ANNUAL TOXIC CHEMICAL RELEASE REPORTING UNDER SECTION 313 (40 CFR 372).

TSCA INVENTORY STATUS: CHEMICAL COMPONENTS LISTED ON TSCA INVENTORY.

ISSUE DATE: [MARCH 16,1999](#)

FOR FURTHER HEALTH/SAFETY INFORMATION, CONTACT: [Chuck Lenz](#)

FOR TECHNICAL INFORMATION CONTACT YOUR TECHNICAL SALES REPRESENTATIVE

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