



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

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PRODUCT NAME: 146 DIP ENAMEL REDUCER  
PRODUCT CODE: NCT-146

HMIS® CODES: H F R  
2 3 0

## ===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: National Coatings, Inc  
ADDRESS : 604 Hwy 150 East  
Galesburg, Il. 61402

EMERGENCY PHONE : 800-535-5053      DATE PRINTED : 11/3/2011  
INFORMATION PHONE : 309-342-4184      NAME OF PREPARER : NCI

## ===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	WEIGHT PERCENT
DIPROPYLENE GLYCOL METHYL ETHER ACGIH TLV-TWA:100 PPM ACGIH STEL: NO INFO	34590-94-8	50.0
ETHYLENE GLYCOL BUTYL ETHER ACGIH TLV-TWA:20 ppm ACGIH STEL: NO INFO OSHA PEL: 50 ppm	111-76-2	50.0

## ===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 336 - 340 - 363 - 379	SPECIFIC GRAVITY (H2O=1): .923
VAPOR DENSITY:	EVAPORATION RATE: INFORMATION NOT AVAILABLE.
VOC (EXCLUDING EXEMPT): 7.688 lb/gl	VOC (INCLUDING EXEMPT): 7.688 lb/gl
SOLUBILITY IN WATER:	APPEARANCE AND ODOR:

## ===== SECTION IV - FIRST AID MEASURES =====

EYE CONTACT:  
FLUSH WITH CLEAN, LUKEWARM WATER FOR AT LEAST 15 MINUTES. OCCASIONALLY LIFTING THE EYELIDS. OBTAIN MEDICAL ATTENTION.

SKIN CONTACT:  
REMOVE CONTAMINATED CLOTHING, WASH AFFECTED SKIN AREAS THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE RE-USE.

INHALATION:  
REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION OR ADMINISTER OXYGEN, IF NECESSARY. CALL A PHYSICIAN IMMEDIATELY.

INGESTION:  
IMMEDIATELY GIVE TWO GLASSES OF WATER AND INDUCE VOMITING EITHER BY GIVING



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IPPECAC SYRUP OR BY PLACING FINGER AT BACK OF THROAT. NEVER ADMINISTER ANYTHING MOUTH TO AN UNCONSCIOUS PERSON. GET IMMEDIATE MEDICAL ATTENTION.

## ===== SECTION V Fire Fighting Measure =====

FLASHPOINT (SETAFLASH CLOSED CUP): 170F

LEL (%): 0

UEL (%): 10.6

### SPECIAL FIREFIGHTING PROCEDURES:

THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIREFIGHTERS. WATER SPRAY MAY BE USED FOR COOLING CONTAINERS TO PREVENT POSSIBLE PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

### UNUSUAL FIRE AND EXPLOSIVE HAZARDS:

ALTHOUGH THIS MATERIAL IS COMBUSTABLE WITH FLASH POINT ABOVE 100 AND BELOW 200 DEGREES FAHRENHEIT, VAPORS CAN COLLECT ABOVE THE LIQUID IN CLOSED CONTAINERS AND STORAGE VESSELS, KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE CONTAINERS FROM EXTREME HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAMES. CLOSED CONTAINERS MAY RUPTURE (DUE TO BUILD-UP OF PRESSURE) WHEN EXPOSED TO EXTREME HEAT. EXTINGUISHING MEDIA: CO<sub>2</sub>, DRY CHEMICAL, FOAM

## ===== SECTION VI - REACTIVITY DATA =====

### STABILITY:

PROTECT AGAINST PHYSICAL DAMAGE. OUTSIDE OR DETACHED STORAGE PREFERRED. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME. CLOSE CONTAINERS AFTER EACH USE.

### INCOMPATIBILITY:

INSOLUBLE IN WATER

### HAZARDOUS DECOMPOSITION:

IF THERMAL DECOMPOSITION OCCURS IT MAY YIELD CARBON DIOXIDE AND/OR CARBON MONOXIDE

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

## ===== SECTION VII - HEALTH HAZARD DATA =====

### OVERVIEW:

MAY BE IRRITATING IF SWALLOWED, INHALED, ABSORBED THROUGH THE SKIN, OR CONTACT, WEAR IMPERVIOUS CLOTHING, BOOTS, AND PROTECTIVE CREAM IF NECESSARY.

### INHALATION:

EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, AND HEADACHE. HIGH CONCENTRATIONS MAY RESULT IN NARCOSIS.



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IN/EYE CONTACT:

SEVERE IRRITATION, REDNESS, TEARING AND BLURRED VISION.

SKIN ABSORPTION:

SLIGHT IRRITATION, PROLONGED OR REPEATED EXPOSURE CAN CAUSE DERMITITIS. REPEATED EXPOSURE TO HIGH CONCENTRATION THROUGH ABSORPTION MAY CAUSE INJURY TO BONE MARROW AND BLOOD CELLS, KIDNEY, LIVER AND TESTES.

INGESTION:

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSIA, VOMITING AND DIARRHEA.

ACUTE AND CHRONIC HAZARDS:

THIS MATERIAL MAY AGGRAVATE AN EXISTING DERMITITIS. BREATHING OF VAPOR AND/OR MIST MAY AGGRAVATE ASTHMA AND INFLAMMATORY FIBROSIS PULMONARY DISEASE.

===== SECTION VIII - SAFE HANDLING =====

SPILLS:

ABSORB SPILL WITH INERT MATERIAL (E.G. DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER. AVOID RUNOFF INTO STORM SEWERS AND DITCHES WHICH LEAD TO WATERWAYS. WEAR A SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PROTECTIVE EQUIPMENT.

WASTE DISPOSAL:

WASTE MATERIALS MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATORY CONTROLS. WE RECOMMEND THAT CONTAINERS BE EITHER PROFESSIONALLY RECONDITIONED FOR REUSE BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY CERTIFIED FIRMS TO HELP REDUCE THE POSSIBILITY OF AN ACCIDENT.

HANDLING:

WASH THOROUGHLY AFTER HANDLING. ALL EQUIPMENT SHOULD BE GROUNDED AND BONDED TO REDUCE STATIC ELECTRICITY HAZARD. USE NON-SPARKING TOOLS.

STORAGE:

STORAGE SHOULD BE STANDARD FLAMMABLE LIQUID STORAGE TANKS AWAY FROM HEAT, SPARKS, AND OPEN FLAME.

OTHER:

===== SECTION IX - CONTROL MEASURES =====

RESPIRATORY:

LOCAL EXHAUST MUST BE SUFFICIENT TO KEEP AIRBORNE VAPOR CONCENTRATIONS BELOW THE TLV LIMIT. EXHAUST AIR MAY NEED TO BE CLEANED BY SCRUBBERS OR FILTERS TO REDUCE ENVIRONMENTAL CONTAMINATION.

VENTILATION:

LOCAL EXHAUST VENTILATION MAY BE NECESSARY TO CONTROL ANY AIR CONTAMINANTS TO



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WITHIN THEIR TLV'S DURING USE OF THIS PRODUCT.

GLOVES:  
BUTYL RUBBER

EYE PROTECTION:  
SAFETY GLASSES WITH SIDE SHEILDS

OTHER:  
EYE BATH AND SAFETY SHOWER. TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING, BOOTS, AND PROTECTIVE CREAM IF NECESSARY.

WORK AND HYGENIE PRACTICES:  
WASH HANDS BEFORE EATING, SMOKING, BREAKS, OR USING RESTROOM.

## =====SECTION X - TOXICOLOGICAL PROPERTIES=====

NO INFORMATION AVAILABLE

## =====SECTION XI - ECOLOGICAL INFORMATION =====

NO INFORMATION AVAILABLE

## =====SECTION XII - TRANSPORTATION INFORMATION =====

NO TRANSPORTATION INFORMATION IS AVAILABLE

## =====SECTION XIII - REGULATORY INFORMATION =====

U.S. FEDERAL REGULATIONS: AS FOLLOWS -  
OSHA: Hazardous by definition of Hazard Communication Standard (29CFR1910.1200)

CERCLA - SARA HAZARD CATEGORY:  
This product has been reviewed according to EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following catergories:  
NONE

SARA SECTION 313:  
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	WT PERCENT
ETHYLENE GLYCOL BUTYL ETHER	111-76-2	50.0

TOXIC SUBSTANCES CONTROL ACT:  
This product contains the following chemical substances subject to the reporting quirements of TSCA 12 (B) if exporting from the United States:  
\*\*\* NO REPORTABLE QUANTITIES ARE PRESENT \*\*\*

INTERNATIONAL REGULATIONS: AS FOLLOWS -



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CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No Information available.

**=====SECTION XIV - OTHER INFORMATION=====**

**DISCLAIMER:**

WHILE NATIONAL COATINGS, INC., BELIEVES THE INFORMATION CONTAINED HEREIN IS, ACCURATE AND DERIVED FROM RELIABLE SOURCES. THE DATA IS PROVIDED WITHOUT REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED REGARDING ITS ACCURACY OR CORRECTNESS. THE DATA IS OFFERED SOLELY FOR YOUR CONSIDERATION, INVESTIGATION, AND CERTIFICATION.

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