

# MATERIAL SAFETY DATA SHEET

## SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **TUFF COAT FLOOR FINISH** ID NUMBER: 2000 PRODUCT USE/CLASS: FLOOR FINISH  
MANUFACTURER: CHEMICAL UNIVERSE, INC. 1133 SALINE ST, N. KANSAS CITY, MO 64116 EMERGENCY TELEPHONE: 800-424-9300  
PREPARER: REGULATORY DEPARTMENT PHONE: 816-471-3602 PREPARE DATE: 12-15-09

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. PERCENT IS LESS THAN	TLV-TWA	TLV-STEL	PEL-TWA	SKIN DESIGNATION
DIETHYLENE GLYCOL MONOETHYL ETHER	111-90-0	6.1 %	NO INFO	NO INFO	NO INFO	YES
ZINC AMMONIUM CARBONATE COMPOUND	38714-47-5	2.1 %	NO INFO	NO INFO	NO INFO	NO
TRIBUTOXY ETHYL PHOSPHATE	78-51-3	1.5 %	NO INFO	NO INFO	NO INFO	YES

(See Section XI for abbreviation legend)

## SECTION III - PHYSICAL DATA

BOILING RANGE: 206 - 642 F VAPOR DENSITY: Is heavier than air ODOR: CHARACTERISTIC SPECIFIC GRAVITY: 1.0167  
APPEARANCE : MILKY WHITE EVAPORATION RATE: Is slower than Ether SOLUBILITY IN H2O : DISPERSIBLE  
(See Section XI for abbreviation legend)

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >200 F LOWER EXPLOSIVE LIMIT: 1.2 % UPPER EXPLOSIVE LIMIT: 23.5 %  
(TAGLIABUE CLOSED CUP)

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: UPON BURNING, TOXIC GASES MAY BE RELEASED.

SPECIAL FIREFIGHTING PROCEDURES: FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

## SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - EYE CONTACT: IRRITATION AND TEARING

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: NONE RECOGNIZED. THIS PRODUCT MAY CAUSE ALLERGIC SKIN REACTIONS IN SENSITIVE INDIVIDUALS. IRRITATION.

EFFECTS OF OVEREXPOSURE - INHALATION: INHALATION: REMOVE TO FRESH AIR, RESTORE BREATHING. CONSULT A PHYSICIAN. IRRITATION FROM PROLONGED EXPOSURE WITH LITTLE VENTILATION.

EFFECTS OF OVEREXPOSURE - INGESTION: LARGE QUANTITIES UPSETTING TO GASTROINTESTINAL TRACT.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: NONE KNOWN.

FIRST AID - EYE CONTACT: FLUSH WITH WATER 15 MINUTES, LIFTING EYELIDS.

FIRST AID - SKIN CONTACT: WASH WITH SOAP AND WATER.

FIRST AID - INHALATION: REMOVE TO FRESH AIR.

FIRST AID - INGESTION: DO NOT INDUCE VOMITING. DRINK LARGE AMOUNTS OF WATER.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION INGESTION EYE CONTACT

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## SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN.

CONDITIONS TO AVOID: NONE KNOWN.

INCOMPATIBILITY: NONE KNOWN.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: DIKE FOR RECOVERY OR DISPOSAL. SPILL MAY BE ABSORBED ONTO APPROPRIATE ABSORBENT MATERIAL.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH APPROPRIATE FEDERAL, STATE AND LOCAL REGULATIONS.

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: No Information.

VENTILATION: SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGHI'S TLV LIMIT.

SKIN PROTECTION: RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION: SAFETY GLASSES OR GOGGLES.

OTHER PROTECTIVE EQUIPMENT: No Information.

HYGENIC PRACTICES: WASH AFTER EACH USE.

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP AWAY FROM SPARKS AND OPEN FLAMES.

OTHER PRECAUTIONS: KEEP CONTAINERS CLOSED. KEEP FROM FREEZING CONDITIONS.

## SECTION X - HMIS RATINGS

HMIS RATINGS HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

## SECTION XI - OTHER REGULATIONS

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/WT %
DIETHYLENE GLYCOL MONOETHYL ETHER	111-90-0	6.1 %
ZINC AMMONIUM CARBONATE COMPOUND	38714-47-5	2.1 %
TRIBUTOXY ETHYL PHOSPHATE	78-51-3	1.5 %
DIBUTYL PHTHALATE	84-74-2	0.7 %
METHYL ALCOHOL	67-56-1	0.1 %
ETHYLENE GLYCOL BUTYL ETHER	111-76-2	0.01 %

PREVIOUS MSDS REVISION DATE: 01/05/08

LEGEND: NA - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS is been checked and should be 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 Federal, State, and Local laws and regulations.

&lt;END OF MSDS&gt;