

# MATERIAL SAFETY DATA SHEET

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TPS

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## \*\*\* I PRODUCT IDENTIFICATION \*\*\*

PRODUCT IDENTIFICATION: DIAMOND CLEAR TPS PROTECTANT & RESTORATIVE  
CHEMICAL FAMILY: MIXTURE  
CHEMICAL NAME: COATING SOLUTION

## \*\*\* II PRODUCT COMPONENTS \*\*\*

PRODUCT COMPOSITION	APPROX. %	ACGIH	OSHA TLV	PEL	UNITS
VM&P NAPHTHA PROPRIETARY	< 95 > 5	300 NA	300 NA	PPM PPM	

## FORMULATION INFORMATION:

THIS PRODUCT CONTAINS TOXIC CHEMICAL(S) LISTED BELOW WHICH IS (ARE) 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.

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NONE

## \*\*\* III PHYSICAL DATA \*\*\*

### \*\* PRODUCT INFORMATION

BOILING POINT(760mm):	>121 C	% VOLATILE BY VOLUME:	>90%
VAPOR PRESSURE(25 C):	5 mm Hg.	EVAPORATION RATE:	<1
VAPOR DENSITY(AIR=1):	4.1	(BUTYL ACETATE = 1)	
FREEZING POINT:	NA	SPECIFIC GRAVITY:	~. 8
MELTING POINT:	NA	(WATER = 1)	
PHYSICAL STATE:	LIQUID		
ODOR:	HYDROCARBON		
COLOR:	CLEAR		
SOLUBILITY IN WATER:	REACTS		

## \*\*\* IV FIRE AND EXPLOSION DATA \*\*\*

FLASH POINT: 12°C. (54°F) CLOSED CUP  
FLAMMABLE LIMITS IN AIR (%): LOWER: 0.9 UPPER: 6.0  
EXTINGUISHING MEDIA: CO<sub>2</sub>, DRY CHEMICAL, HALON OR WATER FOG  
SPECIAL FIRE FIGHTING PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT  
INCLUDING SELF-CONTAINED BREATHING APPARATUS.

\*\*\* V REACTIVITY DATA \*\*\*

STABILITY: STABLE  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
HAZARDOUS DECOMPOSITION PRODUCTS: SILICON DIOXIDE, CARBON DIOXIDE AND UNBURNED CARBON PRODUCTS  
INCOMPATIBILITY (MATERIALS TO AVOID): ALKALI AND ACID  
CONDITIONS TO AVOID: NA

\*\*\* VI HEALTH HAZARD DATA \*\*\*

ACUTE SIGNS/EFFECTS OF OVEREXPOSURE:  
INGESTION: ASPIRATION HAZARD. THIS MATERIAL MAY ENTER THE LUNGS AND CAUSE SEVERE LUNG DAMAGE IF VOMITED. INGESTION MAY CAUSE HEADACHE, LOWERING OF BLOOD PRESSURE AND (IRRITATION OF THE DIGESTIVE TRACT) MAY OCCUR WITH POSSIBLE LETHARGY AND DIARRHEA. MATERIAL HAS A LOW DEGREE OF TOXICITY BY INGESTION. DROWSINESS, GASTROENTERITIS, NAUSEA, VOMITING,

SKIN CONTACT: EXPOSURE TO VAPORS, MISTS OR LIQUID MAY CAUSE DRYING OF THE SKIN WITH SYMPTOMS OF MILD IRRITATION, REDNESS, BURNING, AND DRYING AND CRACKING OF THE SKIN. NO HARMFUL EFFECTS FROM SKIN ABSORPTION HAVE BEEN REPORTED.

INHALATION: EXPOSURE MAY CAUSE MUCOUS MEMBRANE IRRITATION, HEADACHE, DIZZINESS, LOSS OF COORDINATION, DROWSINESS AND OTHER SYMPTOMS RELATED TO CENTRAL NERVOUS SYSTEM DEPRESSION AND NARCOTIC LI GHT- HEADEDNESS, EFFECT. INHALATION OF HIGH CONCENTRATION MAY CAUSE SHORTNESS OF BREATH, POSSIBLE UNCONSCIOUSNESS AND OTHER NARCOTIC SYMPTOMS. THIS MATERIAL HAS A LOW TO MODERATE DEGREE OF TOXICITY BY INHALATION.

EYE CONTACT: EXPOSURE TO VAPOR AND MISTS, OR DIRECT CONTACT WITH LIQUID WILL CAUSE IRRITATION WITH SYMPTOMS OF TEARING, REDNESS AND STINGING. VISUAL IMPAIRMENT IS NOT EXPECTED TO OCCUR.

EMERGENCY AND FIRST AID PROCEDURES:  
INHALATION: IF INHALED, IMMEDIATELY MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. DO NOT USE MOUTH-TO-MOUTH METHOD IF VICTIM INGESTED OR INHALED THE SUBSTANCE, USE THE HOLGER NIELSEN METHOD (BACK PRESSURE-ARM LIFT) OR PROPER RESPIRATORY MEDICAL DEVICE. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

EYE CONTACT: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF CLEAN WATER FOR AT LEAST 15 MINUTES, LIFTING THE UPPER AND LOWER LIDS OCCASIONALLY. REMOVE CONTACT LENSES, IF WORN. GET MEDICAL ATTENTION.

SKIN CONTACT: IN CASE OF CONTACT, CLEANSE AFFECTED AREA THOROUGHLY BY WASHING WITH MILD SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. IF IRRITATION OCCURS AND PERSISTS, GET MEDICAL ATTENTION.

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INGESTION: ASPIRATION HAZARD, IF SWALLOWED, DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH. THIS MATERIAL CAN ENTER THE LUNGS AND CAUSE SEVERE LUNG DAMAGE IF VOMITED. IF VICTIM IS DROWSY OR UNCONSCIOUS, PLACE ON THE LEFT SIDE WITH THE HEAD DOWN. GET MEDICAL ATTENTION IMMEDIATELY.

NOTE TO PHYSICIANS: TREAT EXPOSURE SYMPTOMATICALLY.

CHRONIC EFFECTS OF OVEREXPOSURE: CHRONIC EXPOSURE MAY CAUSE DEFATTING OF THE SKIN, LEADING TO DERMATITIS.

\*\* PRODUCT INFORMATION

TOXICITY:

INHALATION RAT LC50: 3,400 PPM 4 HOURS

PRINCIPAL ROUTES OF EXPOSURE:

- ORAL
- DERMAL - SKIN
- EYES
- INHALATION

\*\*\* VII SPECIAL PROTECTIVE EQUIPMENT \*\*\*

RESPIRATORY PROTECTION: FOR EXPOSURE ABOVE THE PEL OR TLV, WEAR A NIOSH APPROVED FULL FACEPIECE OR HALF MASK AIR-PURIFYING CARTRIDGE RESPIRATOR EQUIPPED WITH AN ORGANIC VAPOR CARTRIDGE OR SUPPLIED AIR.

PROTECTIVE GLOVES: NITRILE, PVA OR PVC GLOVES

EYE AND FACE PROTECTION: WEAR CHEMICAL GOGGLES (RECOMMENDED BY ANSI Z87.1.1979), UNLESS A FULL FACEPIECE RESPIRATOR IS WORN.

CLOTHING & EQUIPMENT: WEAR A NITRILE OR PVA APRON WHEN HANDLING PRODUCT.

AN EYE WASH STATION AND SAFETY EYEWARE SHOULD BE AVAILABLE IN THE AREA.

FOOTWEAR: NITRILE OR PVA BOOTS.

\*\*\* VIII SPILL, LEAK AND DISPOSAL PROCEDURES \*\*\*

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

LAND SPILL: REMOVE ALL IGNITION SOURCES. VAPORS ARE HEAVIER THAN AIR AND WILL BE CONCENTRATED AT GROUND LEVEL. VAPORS MAY BE DEPRESSED BY THE USE OF A WATER FOG. WEARING RECOMMENDED PROTECTIVE CLOTHING, DIKE SPILL AND PICK UP BULK OF LIQUID USING NON-SPARKING TOOLS OR ABSORB LIQUID IN SAND OR A NON-FLAMMABLE ABSORBENT. PLACE IN APPROVED CONTAINERS FOR DISPOSAL. FLUSH SPILL AREA WITH WATER, COLLECT RESIDUES AND CONTAINERIZE FOR DISPOSAL. PREVENT RUN-OFF FROM CONTAMINATING SEWERS, STREAMS OR OTHER BODIES OF WATER.

WATER SPILL: THIS MATERIAL IS LIGHTER THAN AND INSOLUBLE IN WATER. STOP OR DIVERT WATER FLOW DIKE CONTAMINATED WATER AND REMOVE FOR DISPOSAL AND/OR TREATMENT. NOTIFY ALL DOWNSTREAM USERS OF POSSIBLE CONTAMINATION.

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\*\*\* I X SPECIAL PRECAUTIONS \*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE UPRIGHT IN A COOL PLACE BELOW 30°C (85°F). KEEP CONTAINER CLOSED WHEN NOT IN USE.

AVOID CONTACT WITH SKIN AND EYES. USE ONLY IN A WELL VENTILATED AREA.

ENGINEERING CONTROLS: EXHAUST VENTILATION; SHOWERS, EYEWASH STATIONS; USE IN A WELL VENTILATED AREA.

\*\*\* X SHIPPING AND REGULATORY CLASSIFICATION DATA \*\*\*

DOT SHIPPING NAME : COATING SOLUTION  
 DOT HAZARD CLASS : 3  
 DOT LABEL(S) : FLAMMABLE LIQUID  
 UN/NA NUMBER : 1139  
 PLACARDS : FLAMMABLE LIQUID

EXPORT : COATING SOLUTIONS

EPA HAZARD WASTE : D001  
 OSHA HAZARD CLASS : FLAMMABLE LIQUID  
 CPSC CLASSIFICATION : NA  
 TRANSPORTATION CLASS:  
     IMD 3  
     RID(OCTI) 3  
     ADR(ECE) 3  
     RAR(ATA) 3

NFPA/ HIMS CLASSIFICATION: FLAMMABILITY 3, REACTIVITY 0, HEALTH 1

ADDITIONAL INFORMATION: THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS MADE. THE RECOMMENDED HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTENT OF THE INTENDED USE.