

HUMISEAL DIVISION, COLUMBIA CHASE CORP. -- INSULATING VARNISH,ELECTRICAL --  
5970-00-990-4924

===== Product Identification =====

Product ID:INSULATING VARNISH,ELECTRICAL

MSDS Date:12/29/1997

FSC:5970

NIIN:00-990-4924

Status Code:A

MSDS Number: CLLHT

=== Responsible Party ===

Company Name:HUMISEAL DIVISION, COLUMBIA CHASE CORP.

Address:26-60 BROOKLYN QUEENS EXPRESSWAY WEST

Box:445

City:WOODSIDE

Stat

e:NY

ZIP:11377-0445

Country:US

Info Phone Num:718-932-0800

Emergency Phone Num:800-424-9300

Preparer's Name:BOBBY STOKES

Chemtrec Ind/Phone:(800)424-9300

CAGE:0SR97

=== Contractor Identification ===

Company Name:HUMISEAL DIVISION, COLUMBIA CHASE CORP.

Address:26-60 BROOKLYN QUEENS EXPRESSWAY WEST

Box:445

City:WOODSIDE

State:NY

ZIP:11377-0445

Country:US

Phone:718-932-0800

CAGE:0SR97

===== Composition/Information on Ingredients =====

Ingred Name:SECTION 3A (SARA RQ)

Ingred Nam

e:TOLUENE  
CAS:108-88-3  
RTECS #:XS5250000  
Minumum % Wt:47.  
Maxumum % Wt:53.  
OSHA PEL:SEE TABLE Z-2  
ACGIH TLV:188 MG/M3;50 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ETHYL KETONE  
CAS:78-93-3  
RTECS #:EL6475000  
Minumum % Wt:13.  
Maxumum % Wt:18.  
OSHA PEL:590 MG/M3;200 PPM  
ACGIH TLV:590 MG/M3;200 PPM  
ACGIH STEL:885 MG/M3;300 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ACRYLIC POLYMER  
Minumum % Wt:32.  
Maxumum % Wt:38.

=====  
===== Hazards Identification  
=====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Effects of Overexposure:EYES: SHORT TERM CONTACT MAY RESULT IN SLIGHT EYE IRRITATION AND CONJUNCTIVITIS. PROLONGED CONTACT WITH LIQUID CAN RESULT IN CORNEAL BURNS. HIGH VAPOR CONCENTRATIONS>APPROX. 1000PPM ARE IRRITATING TO THE EYES. SKIN: PROLONGED AND REPEATED LIQUID CONTACT CAN CAUSE DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS. DERMAL LD (50) (RABBITS) :>2000MG/KG.SKIN ABSORPTION MAY ADD SIGNIFICANTLY TO EXPOSURE. INHALATION: DIZZINESS, WEAKNESS, HEADACHE, NAUSEA. INGESTION: MODERATELY TOXIC; SERIOUS HAZARD POSED BY VOMITING.

=====  
===== First Aid Measures =====

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION: SKIN: FLUSH WITH WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES, FOLLOW BY WASHING WITH SOAP AND WAT ER. DO

NOT REUSE CLOTHING OR SHOES UNTIL PROPERLY  
CLEANED. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.  
INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF  
BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT  
BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE  
VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS  
TO PREVENT ASPIRATION OF LIQUID INTO LUNGS. GET MEDICAL ATTENTION  
IMMEDIATELY

===== Fire Fighting Me  
asures =====

Flash Point Method:TCC  
Flash Point:=-1.1C, 30.F  
Lower Limits:1.6  
Upper Limits:11.2  
Extinguishing Media:FOAM, CARBON DIOXIDE AND DRY CHEMICAL  
Fire Fighting Procedures:FIGHT AS A FLAMMABLE LIQUID FIRE; WEAR  
SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:VAPOR IS FLAMMABLE AND HEAVIER THAN AIR  
AND MAY TRAVEL TO SOURCE OF IGNITION AND FLASHBACK

===== Accidental Release Measures =====

Spill Release Procedures:ABSORB WITH INERT MATERIAL (SAND, VERMICULITE,  
ETC.) LARGE SPILLS MAY BE SCOOPED UP WITH NON-SPARKING TOOLS..  
REMOVE SOURCES OF IGNITION. PROVIDE VENTILATION AND/OR RESPIRATORY  
PROTECTION.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, AND OPEN  
FLAMES. STORE AT AMBIENT TEMPERATURE. GROUND TO PROTECT FROM STATIC  
CHARGE. KEEP CONTAINER CLOSED. USE ADEQUATE VENTILATION.  
Other Precautions:PREVENT  
CONTACT TO WORKERS AS REQUIRED. IF MORE THAN  
2 ML/KG HAS BEEN INGESTED, AND VOMITING HAS NOT OCCURRED, EMESIS  
SHOULD BE INDUCED WITH SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS  
TO PREVENT ASPIRATION. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX,  
CONVULSIONS OR UNCONSCIOUSNESS OCCUR BEFORE EMESIS , GASTRIC  
LAVARGE US

===== Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATOR-ORGANIC VAPOR TYPE IF TLV IS EXCEEDED  
(NIOSH APPROVED).  
V

entilation: YES; MECHANICAL: EXPLOSION PROOF.

Protective Gloves: IMPERVIOUS TO CHEMICAL AND PETROLEUM (BUNA-N, SOLVEX, ETC.)

Eye Protection: CHEMICAL TYPE GOGGLES MUST BE WORN.

Other Protective Equipment: PREVENT CONTACT TO WORKERS AS REQUIRED.

Supplemental Safety and Health

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. STORE AT AMBIENT TEMPERATURE. GROUND TO PROTECT FROM STATIC CHARGE. KEEP CONTAINER CLOSED. USE ADEQUATE VENTILATION.

=====  
Physical/Chemical Properties  
=====

Boiling Pt: =82.2C, 180.F

Vapor Pres: (MM HG) : 45.4.

Vapor Density: 4(AIR=1)

Spec Gravity: (H2O=1) : .88.

Evaporation Rate & Reference: (BUAC=1) : 3.62

Solubility in Water: NEGLIGIBLE-LESS THAN 0.1

Appearance and Odor: WATER CLEAR, LOW VISCOSITY LIQUID, AROMATIC ODOR.

Percent Volatiles by Volume: 62-68

=====  
Stability and Reactivity Data  
=====

Stability Indicator/Materials to Avoid: YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS

Hazardous Decomposition

Products: CARBON MONOXIDE, CARBON DIOXIDE

Conditions to Avoid Polymerization: WILL NOT OCCUR

=====  
Disposal Considerations  
=====

Waste Disposal Methods: DISPOSAL OF HUMISEAL PRODUCTS REQUIRES STRICT COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS PERTAINING TO DISPOSING HAZARDOUS WASTE MATERIALS. CONTACT THE APPROPRIATE ENVIRONMENTAL AGENCIES.

=====

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.