

COLUMBIA CHASE CORP. HUMISEAL DIV. -- HUMISEAL 1B31 -- 5970-00-090-9184

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

Product ID:HUMISEAL 1B31

MSDS Date:06/12/1991

FSC:5970

NIIN:00-090-9184

MSDS Number: BKZWK

=== Responsible Party ===

Company Name:COLUMBIA CHASE CORP. HUMISEAL DIV.

Address:26-60 BROOKLYN QUEENS EXPRESSWAY WEST

Box:445

City:WOODSIDE

State:NY

ZIP:11377-0445

Country:US

Info Phone Num:718-932-0800

Emergency Phone Num:718-932-0800

CAGE:EO647

=== Contractor Id

entification ===

Company Name:ARGENT INDUSTRIES INC

Address:477 E WENGER ROAD

Box:City:ENGLEWOOD

State:OH

ZIP:45322

Country:US

Phone:937-836-8633

CAGE:25579

Company Name:COLUMBIA CHASE CORPORATION

Box:445

CAGE:EO647

Company Name:HUMISEAL DIVISION/CHASE CORPORATION

Address:26-60 BROOKLYN QUEENS EXPRESSWAY WEST

Box:City:WOODSIDE

State:NY

ZIP:11377

Country:US

Phone:718-932-0800

CAGE:99109

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

Ingred Name:TOLUENE (SARA III)

CAS:108-

88-3
RTECS #:XS5250000
Fraction by Wt: 47-53%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 13-18%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/300 STEL
ACGIH TLV:200 PPM/300STEL 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ACRYLIC POLYMER
Fraction by Wt: 32-38%
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 5G/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYE CONTACT MAY RESULT IN
SLIGHT IRRITATION & CONJUNCTIVITIS. INHALATION CAUSES CENTRAL
NERVOUS SYSTEM DEPRESSION. MAY CAUSE RESPIRATOR DEPRESSION,
CONVULSIONS, CARDIAC ARRHYTHMIAS AND DEATH. I NGESTION CAUSES
BURNING S
ENSATION IN MOUTH & STOMACH. CHRONIC:CORNEAL BURNS, SKIN
IRRITATION & DERMATITIS.
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:VAPOR IS IRRITATING TO EYES & MAY CAUSE
DIZZINESS, WEAKNESS, HEADACHE, NAUSEA, ETC. ASPIRATION OF VOMITUS
INTO LUNGS AFTER INGESTION MAY RESULT IN CHEMICAL PNEUMONITIS AND
PULMONARY EDEMA/HEMORRHAGE A ND MAY BE FATAL. ABSORPTION THROUGH
SKIN MAY ADD SI

GNIFICANTLY TO EXPOSURE. LIQUID CAN CAUSE DEFATTING
& DRYING OF SKIN.

Medical Cond Aggravated by Exposure:ANY RESPIRATORY DISORDER OR SKIN
CONDITION SUCH AS DERMITITIS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR & PROVIDE OXYGEN IF BREATHING
IS DIFFICULT. GET MEDICAL ATTENTION. EYES: FLUSH WITH WATER FOR 15
MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:
REMOVE CONTAMINATED CLOTHING. WASH
SKIN WITH SOAP & WATER. IF
IRRITATION PERSISTS, GET MEDICAL ATTENTION. INGESTION: DO NOT
INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. GET
MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:30.0F,-1.1C

Lower Limits:1.6

Upper Limits:11.2

Extinguishing Media:USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED
BREATHING APPARATUS. FIGHT AS A FLAMMABLE
LIQUID FIRE.

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:REMOVE ALL SOURCES OF IGNITION. AVOID
BREATHING VAPORS. PROVIDE VENTILATION AND/OR RESPIRATORY
PROTECTION. CONTAIN AND REMOVE WITH INERT ABSORBENT (SAND,
VERMICULITE, ETC.) AND NON-SPARKING TOOLS.

Neutralizin

g Agent:NONE

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS & OPEN
FLAMES. STORE AT AMBIENT TEMPERATURE. GROUND TO PROTECT FROM STATIC
CHARGE. KEEP CONTAINER CLOSED. USE VENTILATION.

Other Precautions:KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. VAPORS
MAY CAUSE FLASH FIRE. AVOID CONTACT WITH EYES AND CLOTHING. AVOID
PROLONGED OR REPEATED CONTACT WITH SKIN. USE ONLY WITH ADEQUATE
VENTILATION.

WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:USE NIOSH APPROVED ORGANIC VAPOR TYPE RESPIRATOR
IF TLV IS EXCEEDED.

Ventilation:USE LOCAL EXHAUST & EXPLOSION PROOF MECHANICAL VENTILATION.
SPECIAL VENTILATION MAY BE REQUIRED FOR HIGH VAPOR LEVELS.

Protective Gloves:IMPERVIOUS BUNA-N, SOLVEX, ETC.

Eye Protection:CHEMICAL TYPE GOGGLES MUST BE WORN.

Other Protective Equipment:USE OTHER PROTECTIVE EQUIPMENT AS REQUIRED

TO PREVENT WORKER EXPOSURE/CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. LAUNDER
CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

KEEP OUT OF REACH OF CHILDREN. CONTAINS PHOTOCHEMICALLY REACTIVE
SOLVENTS.

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

HCC:F3

Boiling Pt:B.P. Text:180F,82C

Vapor Pres:45.4

Vapor Density:4.0

Spec Gravity:0.88

Viscosity:LOW VISCOSITY

Evaporation Rate & Reference:3.62 (N-BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, COLORLESS VISCOUS LIQUID. AROMATIC ODOR.

Percent Volatiles by Volume:62-68

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSAL OF HUMISEAL PRODUCTS REQUIRES STRICT
COMPLIANCE WITH LOCA

L, STATE AND FEDERAL REGULATIONS PERTAINING TO
DISPOSING HAZARDOUS WASTE MATERIALS. CONTACT THE APPROPRIATE
ENVIRONMENTAL AGENCIES.

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