

HUMISEAL DIVISION, COLUMBIA CHASE CORP. -- HUMISEAL 1B31 -- 5970-01-123-1773

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

Product ID:HUMISEAL 1B31

MSDS Date:12/09/1998

FSC:5970

NIIN:01-123-1773

MSDS Number: CCVSZ

=== Responsible Party ===

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

Info Phone Num

:718-932-0800

Emergency Phone Num:718-932-0800

Preparer's Name:JIM LAWRENCE

Chemtec Ind/Phone:(800)424-9300

CAGE:0SR97

=== Contractor Identification ===

Company Name:ARGENT INDUSTRIES INC

Address:477 E WENGER ROAD

Box:City:ENGLEWOOD

State:OH

ZIP:45322

Country:US

Phone:937-836-8633

Contract Num:SP0430-00-M-H812

CAGE:25579

Company Name:ARGENT INDUSTRIES INC

Address:477 E WENGER ROAD

Box:City:ENGLEWOOD

State:OH

ZIP:45322

Country:US

Phone:937-836-8633

Contract Num:SP0430-99-M-Y159

CAGE:25579

Compan

y Name:HUMISEAL DIVISION, COLUMBIA CHASE CORP.  
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CAGE:0SR97

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

Ingred Name:TOLUENE (SARA 313) (CERCLA)  
CAS:108-88-3  
RTECS #:XS5250000  
Minumum % Wt:47.  
Maxumum % Wt:53.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM; Z-2  
ACGIH TLV:S, 50 PPM; 9596  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL  
ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CERCLA)  
CAS:78-93-3  
RTECS #:EL6475000  
Minumum % Wt:13.  
Maxumum % Wt:18.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM  
ACGIH TLV:200 PPM/300STEL;9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ACRYLIC POLYMER  
Minumum % Wt:32.  
Maxumum % Wt:38.  
Other REC Limits:NONE RECOMMENDED

Ingred Name:OPTICAL BRIGHTENER  
&lt; Wt:1.  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixtu

re:LD50 RAT: 5 G/KG, LDLO HUMAN: 50 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: SHORT TERM-IRRITATION & CONJUNCTIVITIS. PROLONGED CONTACT-CORNEAL BURNS. CONCENTRATION > 1000 PPM IRRITATE EYES. SKIN: PROLONGED/REPEATED CONTACT CAUSES DEFATTING/DRYING CAUSING SKIN IRRITATION & DERMATITIS. SKIN ABSORPTION ADDS SIGNIFICANTLY TO EXPOSURE. INHALATION: CNS DEPRESSION. MILD

EXPOSURE CAUSES DIZZINESS, WEAKNESS, HEADACHE, NAUSEA. ETC. EXPOSURES > 1000 PPM MAY CAUSE RESPIRATOR DEP RESSION, CONVULSIONS, & DEATH. CARDIAC ARRHYTHMIAS, INCLUDING VENTRICULAR FIBRILLATION, MAY OCCUR. SENSE OF SMELL DULLED BY CONSTANT EXPOSURE. INGESTION: MODERATELY TOXIC. CAUSES BURNING SENSATION IN MOUTH & STOMACH.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overex

posure:SEE HEALTH EFFECTS SECTION. FOR INGESTION, A MORE SERIOUS HAZARD IS POSED BY VOMITING AFTER SWELLING RESULTING IN ASPIRATION (BREATHING) OF VOMITUS INTO LUNGS, WHICH MAY RESULT IN CHEMICAL PNEUMONITIS AND PULMONARY EDEMA/HEMORRAGE, AND MAY BE FATAL.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MED

ICAL ATTENTION. SKIN: FLUSH WITH WATER WHILE REMOVING CONTAMINATED CLOTHING & SHOES FOLLOWED BY WASHING WITH SOAP & WATER. CLEAN CLOTHES BEFORE REUSE. INHALATION: MOVE TO FRESH AIR & GIVE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS. GET MEDICAL ATTENTION. SEE SUPPLEMENTAL DATA FOR PHYSICIAN NOTE.

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

Flash Point Method:TCC

Flash Point:=-1.1C, 30.F

Lower Limits:1.6

Upper Limits:11.2

Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL

Fire Fighting Procedures:FIGHT AS A FLAMMABLE LIQUID FIRE. WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:VAPOR IS FLAMMABLE & HEAVIER THAN AIR & MAY TRAVEL TO SOURCE OF IGNITION & FLASH BACK.

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

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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.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND INCOMPATIBLE MATERIALS. STORE AT AMBIENT TEMPERATURE.

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OND/GROUND CONTAINERS DURING TRANSFER OPERATIONS.

Other Precautions: KEEP CONTAINER CLOSED. USE ADEQUATE VENTILATION.

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

Respiratory Protection: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation: USE ADEQUATE EXPLOSION-PROOF MECHANICAL VENTILATION OR

LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

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

Eye Protection: CHEMICAL SPLASH GOGGLES.

Other Protective Equipment: PREVENT CONTACT TO WORKERS AS REQUIRED.

Work Hygienic Practices: WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

PHYSICIAN NOTE: IF MORE THAN 2 ML/KG INGESTED & VOMITING HAS NOT OCCURRED, EMESIS SHOULD BE INDUCED WITH SUP

ERVISION. KEEP VICTIM

HEAD BELOW HIPS TO PREVENT ASPIRATION. IF SYMPTOMS LIKE LOSS OF GAG REFLEX, CONVULSIONS OR UNCONSCIOUS OCCUR BEFORE EMESIS, CONSIDER GASTRIC LAVAGE USING CUFFED ENDOTRACHEAL TUBE.

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

HCC: F2

Boiling Pt: =82.2C, 180.F

Vapor Pres: 45.4

Vapor Density: 4.0

Spec Gravity: 0.88

VOC Pounds/Gallon: 592

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

Solubility in Water: NEGLIGIBLE, < 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  
STRONG OXIDIZING AGENTS.  
Stability Condition to Avoid:NOT APPLICABLE.  
Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:INH-RAT  
LCLO: 4000 PPM/4 HRS

===== Ecological Information =====

Ecological:NOT PROVIDED

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL ENVIRONMENTAL REGULATIONS. CONTACT THE APPROPRIATE  
ENVIRONMENTAL AGENCIES. RCRA WASTE NUMBER/RQ: TOLUENE, U220/1000  
LBS; MEK, U159/5000 LBS. CERC LA: TOLUENE, 1000 LBS; MEK, 5000 LBS.

===== MSDS Transport Information =====

Transport Information:SEE TRANSPORTATION DATA.

===== Regulatory Information =====

SARA Title III Information:TOLUENE: 313 CHEMICAL, MEK: 313 CHEMICAL,  
Federal Regulatory Information:TOLUENE CERCLA RQ: 1000 LB, RCRA CODE  
U220, MEK CERCLA RQ: 5000 LB, RCRA CODE U159  
State Regulatory Information:NOT PROVIDED

===== Other Information =====

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