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MATERIAL SAFETY DATA SHEET Page: 1 431-9135

PRODUCT NAME: OPTICLEAR PRODUCT CODE: 431-9135 HMLS CODES: H F R P 3 3 0 H

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Chemcraft International ADDRESS: P.O. Box 669 Walkertown, NC 27051

EMERGENCY PHONE: 1-800-424-5571 DATE PRINTED: 01/20/99 INFORMATION PHONE: 336-723-1846 NAME OF PREPARER: GALE CHURCH

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

Table with 4 columns: REPORTABLE COMPONENTS, CAS NUMBER, VAPOR PRESSURE (mm Hg @ TEMP), WEIGHT PERCENT. Rows include 1-BUTYL ACETATE, ISOBUTANOL, ACETONE, ETHANOL, ISOPROPYL ALCOHOL, and FORMALDEHYDE.

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* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. # Indicates NTP or IARC reportable carcinogen(s).

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 133 F - 260 VAPOR DENSITY: (Air=1) GREATER THAN 1 MATERIAL V.O.C.: 4.55 lb/gl SPECIFIC GRAVITY (H2O=1): 0.93 EVAPORATION RATE: (ETHER=1) GREATER THAN 1 COATING V.O.C.: 5.08 lb/gl

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -1.0 F METHOD USED: TCC LOWER: 1.38 UPPER: 12.8 EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, FOAM OR WATER FOG.

SPECIAL FIREFIGHTING PROCEDURES

FLAME FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASK.
CONTAINERS, EXPOSED TO FIRE, COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSION HAZARDS

KEEP AWAY FROM HEAT, SPARKS AND FLAME. VAPORS MAY CAUSE FLASH FIRE.
DO NOT SMOKE. EXTINGUISH ALL FLAMES AND PILOT LIGHTS, AND TURN OFF STOVES, HEATERS, ELECTRIC MOTORS AND OTHER SOURCES OF IGNITION DURING USE AND UNTIL ALL VAPORS ARE GONE. PREVENT BUILD-UP OF VAPORS BY OPENING ALL WINDOWS AND DOORS TO ACHIEVE CROSS-VENTILATION. USE ONLY WITH ADEQUATE VENTILATION.

=====**SECTION V - REACTIVITY DATA**=====

STABILITY: STABLE.
CONDITIONS TO AVOID

HEAT OR CONTACT WITH PEROXIDES OR OTHER CATALYSTS.

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZERS.
DO NOT BREATHE (DUST, VAPORS OR SPRAY MIST). ENSURE FRESH AIR ENTRY DURING APPLICATION AND DRYING. IF YOU EXPERIENCE EYE WATERING, HEADACHE OR DIZZINESS OR IF AIR MONITORING DEMONSTRATES VAPOR/MIST LEVELS ARE ABOVE APPLICABLE LIMITS, WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING AND AFTER APPLICATION. FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE. CLOSE CONTAINER AFTER EACH USE. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

HALIDES CO2, CO

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

=====**SECTION VI - HEALTH HAZARD DATA**=====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

HARMFUL IF INHALED. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

REDNESS OR DRYNESS OF SKIN.
BLISTERING OR DISCOLORATION OF SKIN AND PAIN.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

AS WITH ANY PAINT OR COATING, SKIN ABSORPTION SHOULD BE AVOIDED.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

HARMFUL OR FATAL IF SWALLOWED. CHRONIC INHALATION OF FORMALDEHYDE AT HIGH CONCENTRATIONS CAUSED NASAL CANCER IN RATS. IT IS LISTED AS POSSIBLE CARCINOGENIC TO HUMANS BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC).

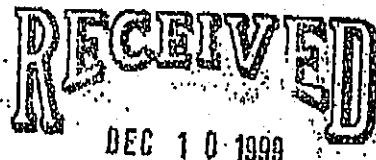
HEALTH HAZARDS (ACUTE AND CHRONIC)

MAY CAUSE ALLERGIC RESPIRATORY REACTION.

CARCINOGENICITY: NTP CARCINOGEN: Yes IARC MONOGRAPHS: Yes OSHA REGULATED: Yes

EMERGENCY AND FIRST AID PROCEDURES

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION (IMMEDIATELY). FOR SKIN CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. WASH THOROUGHLY WITH SOAP AND WATER. IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. WASH CLOTHING BEFORE REUSE, (DESTROY CONTAMINATED CLOTHING AND SHOES.) (THOROUGHLY CLEAN CONTAMINATED SHOES.) IF SWALLOWED, GET MEDICAL ATTENTION (IMMEDIATELY). IF YOU EXPERIENCE DIFFICULTY IN BREATHING, LEAVE THE AREA TO OBTAIN FRESH AIR. IF CONTINUED DIFFICULTY IS EXPERIENCED, GET MEDICAL ATTENTION (IMMEDIATELY).



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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

USE SELF CONTAINED BREATHING APPARATUS OR AIR MASK FOR LARGE SPILLS IN A CONFINED AREA. ELIMINATE IGNITION SOURCES.

WASTE DISPOSAL METHOD

DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS

AVOID ALL PERSONAL CONTACT AND BREATHING OF VAPORS OR SPRAY MIST. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION

USE NIOSH/MSHA APPROVED RESPIRATORY DEVICE IN CONFINED AREAS AND SPRAY APPLICATIONS WHEN TLV LEVELS ARE EXCEEDED.

VENTILATION

VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

PROTECTIVE GLOVES

PROTECTIVE GLOVES REQUIRED FOR PROLONGED CONTACT.

EYE PROTECTION

USUAL EYE PROTECTION FOR APPLYING PAINT.

SKIN PROTECTIVE CLOTHING OR EQUIPMENT

USUAL CLOTHING FOR PAINTING OPERATIONS.

WORK/HYGIENIC PRACTICES

REMOVE ALL CONTAMINATED PROTECTIVE CLOTHING AFTER USE, AND WASH ALL EXPOSED AREAS BEFORE EATING.

SECTION IX - DISCLAIMER

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