

MATERIAL SAFETY DATA SHEET

PRODUCT: **Insecta** (for use in manholes) PRODUCT CODE: IWMC
HMIS HAZARD: 2 0 0 B HANDLING 2 0 0 G SPRAYING

SECTION I – Manufacturer Information

Manufacturer: ACRY-TECH COATINGS, INC.
Emergency Phone #: NA
Original Date Prepared: 18 June 1992

Address: 3601 NE 5th Avenue Ft. Lauderdale, FL 33334
Information Phone #: (800) 771-6001
Revised: 5 October 2000 **Supersedes:** 17 October 1997

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS INGREDIENT	CAS #	OSHA PEL	ACGIH PEL	OTHER	%
Propylene glycol	57-55-6	*NE	*NE	SEE VI	1.40
Chlorpyrifos [O,O diethyl O (3,5,6 trichloro 2 pyridinyl) phosphorothioate]	002921-88-2	0.6 mg/m ³ STEL	0.2 mg/m ³	SEE VI	0.86
Propylene glycol n butyl ether	5131-66-8	*NE	*NE	SEE VI	0.79
Xylene	1330-20-7	100 ppm	100 ppm	SEE VI	0.59
Bicyclioxazolidines	56709-13-8	*NE	*NE	SEE VI	0.08
Vinyl acetate	108-05-4	10ppm TWA 8hr	15 ppm STEL	SEE VI	0.007
Formaldehyde	50-00-0	0.3 ppm	0.75 ppm	SEE VI	0.005
Acetaldehyde	75-07-0	100 ppm TWA	25 ppm CEILING	SEE VI	0.002

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >100^o C **Specific Gravity** (H₂O=1): 1.113 **Vapor Pressure** (mm Hg) NE
Melting Point: NE **Vapor Density** (Air = 1) NE **Evaporation Rate:** (Butyl Acetate=1) <0.1
pH: 7.0 – 7.5 **VOC:** (138g/L.) = 1.15#/Gallon **Solubility in water:** DILUTABLE
Appearance and Odor: White medium viscosity liquid with mild insecticidal odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NE (WATER BASED PRODUCT) **Flammable Limits:** NE LEL-NE UEL-NE
Extinguishing Media: CO₂ OR DRY CHEMICAL. WATER AGGRAVATES SPILL CLEANUP.
Special Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SELF CONTAINED BREATHING APPARATUS.
Unusual Fire & Explosion Hazards: MATERIAL CAN SPATTER ABOVE 100^oC. DRIED FILM MAY BURN.

SECTION V - REACTIVITY DATA

Stability: XX Stable ___ Unstable **Conditions to Avoid:** NONE KNOWN
Incompatibility (materials to avoid): MATERIALS THAT REACT WITH WATER; OXIDIZERS
Hazardous Decomposition Byproducts: PRINCIPALLY OXIDES OF CARBON, NITROGEN, SULPHUR, PHOSPHORUS AND HYDROGEN CHLORIDE AT FIRE CONDITIONS.
Hazardous Polymerization: ___ May occur XX Will not occur

SECTION VI - HEALTH HAZARD DATA

Routes of entry: **Inhalation?** YES **Skin?** YES **Ingestion?** YES
Health hazards (Acute and Chronic): **INHALATION**-(ACUTE) NAUSEA, HEADACHE, RESPIRATORY IRRITATION POSSIBLE ORGANOPHOSPHATE TYPE CHOLINESTERASE INHIBITION; (CHRONIC) SEE CARCINOGENICITY BELOW; PROLONGED OCCUPATIONAL EXPOSURE TO SOLVENTS HAVE BEEN ASSOCIATED WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE; ALSO SEE MEDICAL CONDITIONS BELOW;

SECTION VI – HEALTH HAZARD DATA (continued)

SKIN-(ACUTE) MILD DELAYED IRRITATION; (CHRONIC) DERMATITIS, ALSO SEE MEDICAL CONDITIONS BELOW. **EYES** (ACUTE) IRRITATION, IRREVERSIBLE CORNEAL DAMAGE IF NOT RINSED OR TREATED. (CHRONIC) SAME.

Carcinogenicity: NTP? YES IARC Monographs? YES OSHA Regulated? YES
VINYL ACETATE MONOMER, FORMALDEHYDE AND ACETALDEHYDE ARE LISTED.

Signs and Symptoms of Exposure: INHALATION; TRANSIENT NARCOSIS OR HEADACHE WITH PROLONGED EXPOSURE **SKIN**; MILD DELAYED SKIN IRRITATION **EYE**; TEARING, REDNESS, IRRITATION. **CHLORPYRIFOS** EXHIBITS A HOST OF POSSIBLE SYMPTOMS, SOME OF WHICH ARE LISTED HERE; **SKIN**: MILD DELAYED SKIN IRRITATION, REDNESS, TINGLING OR SENSITIZATION. **EYE**: TEARING REDNESS, IRRITATION. **INHALATION/INGESTION**: NAUSEA, HEADACHE, TINGLING SENSATION, TREMORS, PIN-POINT PUPILS.

Medical Conditions Generally Aggravated by Exposure: SEE CARCINOGENICITY ABOVE. MAY ADVERSELY AFFECT RENAL, HEPATIC, NEUROLOGICAL PROCESSES, SPLEEN AND THYROID.

Emergency and First Aid Procedures: INHALATION; REMOVE TO FRESH AIR, SEEK MEDICAL ATTENTION. SKIN; WASH WITH WARM SOAPY WATER AS SOON AS POSSIBLE. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. EYES; FLUSH WITH CLEAN WATER FOR 15 MINUTES AND SEEK MEDICAL ATTENTION.

SECTION VII - PROCEDURES FOR SAFE HANDLING AND USE:

Steps to be taken in case material is released or spilled: KEEP ALL SPECTATORS AWAY! WEAR NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS IF IN POORLY VENTILATED AREA. DIKE AND CONTAIN SPILL WITH INERT MATERIAL. RECOVER USABLE MATERIAL TO CONTAINER FOR USE. SEPARATE UNUSABLE MATERIALS. KEEP SPILLS FROM SEWERS OR WATER. ALSO SEE SECTION VIII CONTROL MEASURES.

Waste disposal method: SPREAD MATERIAL EVENLY ON PLASTIC FILM AND ALLOW TO DRY THOROUGHLY. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Precautions to be taken in handling and storing: USE AND STORE WITH ADEQUATE VENTILATION. AVOID EYE CONTACT. KEEP CONTAINER CLOSED. PROTECT FROM FREEZING. AVOID TEMPERATURES IN EXCESS OF 45 DEGREES C.

Other precautions: AVOID BREATHING VAPORS, ESPECIALLY IN THE HEAD SPACE ABOVE LIQUID. DELIBERATE INGESTION OR CONCENTRATING AND INHALING VAPORS MAY BE HARMFUL OR FATAL. SEE LABEL PRECAUTIONS.

SECTION VIII - CONTROL MEASURES

Respiratory protection: NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE.

Ventilation: Local Exhaust: RECOMMENDED

Mechanical (General): RECOMMENDED

Special: NA

Other: NA

Protective Gloves: IMPERVIOUS

Eye Protection: CHEMICAL SPLASH GOGGLES

Other protective clothing or Equipment: AS REQUIRED TO PREVENT SKIN CONTACT.

Work/Hygenic Practices: GOOD INDUSTRIAL HYGIENE

SECTION IX DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

LEGEND: NA = Not Applicable

NE = Not Evaluated

NR = Not Required

OSHA/ACGIH TERMS:

PEL = Permissible Exposure Limit

STEL = Short Term Exposure Limit

TWA = Time Weighted Average

TLV = Threshold Limit Value

***NE** = Not Established

HMIS Hazard Ranking 0=least 1 = Slight

2 = Moderate

3 = Serious

4=Severe

For further information on Personal Protection refer to HMIS Personal Protection Index.