                     10154

MATERIAL SAFETY DATA SHEET   
OSHA FORM 174

PRODUCT NAME:  DIRTY BIRD   
PRODUCT CODE: 10154   
HMIS CODES: H - 1  F - 0  R - 0  P - B   
(HEALTH - FIRE - REACTIVITY - PERSONAL PROTECTION)   
HMIS RATING: 0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME:  WINSOL LABORATORIES, INC.   
ADDRESS:                             1417 NW 51ST, SEATTLE, WA., 98107   
EMERGENCY PHONE:      206/782-5500   
DATE PREPARED: 08-01-07  NAME OF PREPARER:  WINSOL LABORATORIES, INC.   
REVISED: 01-01-12   
SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS                          CAS #     OSHA       ACGIH        OTHER      VAPOR       WEIGHT   
COMPONENTS                                        PEL            TLV                              PRESS             %   
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------   
LINEAR ALCOHOL             34398-01-1   NA            NA       LD/50 1.0-4 g/gk                    5-10%   
ETHOXLATE   
BACTERIAL CULTURES   
(SUSPENDED IN WATER)                        NA           NA                                                        >90%   
BACTERIAL COMPLEX      68920-42-3   
WATER                                  7732-18-5

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

SARA TITLE III / SECTION 313 SUPPLIER NOTIFICATION   
THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:

CAS: #          CHEMICAL NAME                PERCENT BY WEIGHT   
NONE   
    
BOILING POINT: 100oC                                    SPECIFIC GRAVITY (H2O=1):1.01-1.05   
VAPOR DENSITY: N.A.                                     EVAPORATION RATE: SAME AS WATER   
V.O.C.:  N.A.                                                       (ETHER=1)   
SOLUBILITY IN WATER:  100%                             PH: 7.0 - 8.0   
APPEARANCE AND ODOR:  AMBER - TAN LIQUID, CLEAN FRAGRANCE   
    
SECTION IV - FIRE AND EXPLOSION HAZARD DATA   
    
DIRTY BIRD IS CONSIDERED NON-FLAMMABLE   
FLASH POINT: N.A.   
FLAMMABLE LIMITS IN AIR BY VOLUME -  LOWER: NA         UPPER:NA   
EXTINGUISHING MEDIA:  WATER   
SPECIAL FIRE FIGHTING PROCEDURES:  NO DISTINCTIVELY HAZARDOUS DECOMPOSITION PRODUCTS ARE KNOWN TO EXIST, HOWEVER WHEN FIGHTING CHEMICAL FIRES, SELF   CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE ARE RECOMMENDED.   
UNUSUAL FIRE AND EXPLOSION HAZARDS:  NONE   
    
SECTION V - REACTIVITY DATA

STABILITY:  STABLE   
INCOMPATIBILITY (MATERIALS TO AVOID):  STRONG ALKALI AND ACID COMPOUNDS MAY INACTIVATE BIOLOGICAL CULTURES.   
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:  NONE   
HAZARDOUS POLYMERIZATION:  WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

GENERAL:  LIMITED TOXICITY DATA ARE AVAILABLE ON THIS SPECIFIC PRODUCT: THIS HEALTH HAZARD ASSESSMENT IS BASED ON THE RESULTS OF SCREENINGTESTS.   
INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: CAN CAUSE ALLERGIC TYPE RESPONSES TO SUSCEPTIBLE OR HYPERSENSITIVE INDIVIDUALS UPON REPEATED OR PROLONGED EXPOSURE.   
    
 

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SECTION VI - HEALTH HAZARD DATA - CONT.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:   
EYE       MAY CAUSE EYE IRRITATION. ORGANISMS USED ARE NONPATHOGENIC BUT CAN CAUSE INFECTION WHEN IN CONTACT WITH OPEN WOUNDS. THESE ORGANISMS ARE SUSCEPTIBLE TO MANY COMMONLY USED ANTIBIOTICS.   
SKIN      SLIGHT REDNESS ON HANDS AND FOREARMS, IF INDIVIDUAL HAS A HISTORY OF DERMAL ALLERGIC REACTION. DERMATITIS AND SKIN SENSITIZATION CAN DEVELOP AFTER REPEATED AND/OR PROLONGED CONTACT WITH HUMAN SKIN.   
INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:  NO EFFECT IF INGESTED IN SMALL AMOUNTS. RELATIVE TO OTHER MATERIALS, A SINGLE DOSE OF THIS PRODUCT IS RARELY TOXIC BY INGESTION. IRRITATION OF THE MOUTH, PHARYNX, ESOPHAGUS AND STOMACH CAN DEVELOP FOLLOWING INGESTION.   
CARCINOGENICITY: THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, OR THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.   
NTP? NO    IARC MONOGRAPHS? NO    OSHA REGULATED? NO   
EMERGENCY AND FIRST AID PROCEDURES:   
EYES     IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15 MINUTES. CONSULT MEDICAL PERSONNEL.   
SKIN      WASH OFF IN FLOWING WATER OR SHOWER. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.   
INGESTION DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER, THEN DRINK ONE GLASS OF WATER OR MILK. CONTACT A DOCTOR IMMEDIATELY.   
INHALATION  REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH TO MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:   
SMALL SPILL- ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND TRANSFER TO LABELED CONTAINERS.   
LARGE SPILL- STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID INTO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND , CLAY, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO LABELED CONTAINERS.   
WASTE DISPOSAL METHOD:  REVIEW FEDERAL, STATE AND LOCAL GOVERNMENT REQUIREMENTS PRIOR TO DISPOSAL.   
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:  EXERCISE REASONABLE CARE AND CAUTION. STORE IN A COOL  DRY PLACE.   
OTHER PRECAUTIONS:  CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED, SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID AND/OR SOLIDS), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

SECTION VIII -  CONTROL MEASURES

RESPIRATORY PROTECTION:  NONE REQUIRED, AVOID CREATING AEROSOL MISTS IN POORLY VENTILATED AREAS.   
VENTILATION:  PROVIDE GENERAL OR MECHANICAL VENTILATION OR LOCAL EXHAUST TO KEEP VAPOR CONCENTRATIONS BELOW TLV OF MATERIALS IN SECTION II AND LEL IN SECTION IV.   
PROTECTIVE GLOVES:  USE IMPERMEABLE GLOVES TO PREVENT PROLONGED SKIN CONTACT.   
EYE PROTECTION: USE SAFETY EYE-WEAR DESIGNED TO PROTECT EYES AGAINST LIQUID SPLASH AND MISTS. CHEMICAL FACE SHIELD RECOMMENDED. CONSULT YOUR SAFETY EQUIPMENT SUPPLIER.   
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:  USE PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT. USE HEAD CAPS, BOOTS, CHEMICAL APRONS WHEN NECESSARY.   
WORK/HYGIENIC PRACTICES: EYE WASHES AND SAFETY SHOWERS IN THE WORK-PLACE ARE RECOMMENDED. WASH HANDS AFTER USING.  MONITOR EXPOSURE LEVELS.

SECTION IX - DISCLAIMER

NOTICE:  ALTHOUGH THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN (HEREINAFTER "INFORMATION") ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE CORRECT AS OF THE DATE HEREOF, WINSOL LABORATORIES, INC. MAKES NO REPRESENTATIONS AS TO THE COMPLETENESS OR ACCURACY THEREOF.  INFORMATION IS SUPPLIED UPON THE CONDITION THAT THE PERSONS RECEIVING SAME WILL MAKE THEIR OWN DETERMINATION AS TO THE SUITABILITY FOR THEIR PURPOSES PRIOR TO USE.  IN NO EVENT WILL WINSOL LABORATORIES, INC. BE RESPONSIBLE FOR DAMAGES OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION.  NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

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