

DOC 276 PM

MATERIAL SAFETY DATA SHEET

DF2100-50 DF2101-50
DF2102-50 DF2103-50
DF2104-50 DF2105-50
DF2106-50

SECTION I

MANUFACTURER'S NAME
DIFCO LABORATORIES, INC.
ADDRESS

EMERGENCY TELEPHONE NUMBER
800-521-0851 313-462-8500

P.O. BOX 331058
DETROIT MICHIGAN 48232-7058

CHEMICAL NAME AND SYNONYMS
TRADE NAME AND SYNONYMS 2104,2105,2106
QC SHIGELLA ANTIGENS 2100,2101,2102,2103
FORMULA

CHEMICAL
FAMILY

SECTION II HAZARDOUS INGREDIENTS
PAINTS, PRESERVATIVES, AND SOLVENTS

ALLOYS AND METALLIC COATINGS

% TLV (UNITS)
N AP

% TLV (UNITS)
BASE METAL N AP
ALLOYS N AP

PIGMENTS N AP
CATALYST N AP

VEHICLE N AP
SOLVENTS N AP

METALLIC COATINGS N AP
FILLER METAL
PLUS COATING OR
CORE FLUX N AP
OTHERS ----

ADDITIVES N AP

OTHERS ----

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES

*FORMALDEHYDE (CARCINOGEN) LD50 - 420MG/KG (OR-RAT) CAS# - 50-00-0 % - 0.19
TLV (UNITS) - 3PPM TWA

SECTION III. PHYSICAL DATA

BOILING POINT (DEG F) N AV SPECIFIC GRAVITY (H2O=1) N AV
VAPOR PRESSURE (MM HG) N AV PERCENT VOLATILE BY VOLUME (%) N AP
VAPOR DENSITY (AIR=1) N AV EVAPORATION RATE (=1) N AV
SOLUBILITY IN WATER INCOMPLETE

APPEARANCE AND ODOR: LIGHT GREY TO WHITE SUSPENSION

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) N AP FLAMMABLE LIMITS LEL N AP UEL N AP
EXTINGUISHING MEDIA: N AP
SPECIAL FIRE FIGHTING PROCEDURES: N AP

UNUSUAL FIRE AND EXPLOSION HAZARDS N AP

SECTION V-LISTED IN AS A CARCINOGEN

NTP IARC X OTHER
OSHA X R.T.E.C.S. LP8925000

DATE OF PREPARATION: MAR 1990

PREPARED BY: ELLEN M. BERNARD

SECTION VI-HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
PERMISSIBLE EXPOSURE LIMIT 1579PPM/8H TWA
OTHER: TDLO (ORAL-MAN): CL: 2632PPM

EFFECTS OF OVEREXPOSURE

WARNING: MAY CAUSE CANCER. REPEATED OR PROLONGED EXPOSURE INCREASES THE RISK.

EMERGENCY FIRST AID PROCEDURES: IN CASE OF CONTACT: IMMEDIATELY FLUSH EYES AND SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IN CASE OF EYE CONTACT CALL A PHYSICIAN. WASH CLOTHING BEFORE REUSE.

PRIMARY ROUTES OF ENTRY: CONTACT
SECTION VII. REACTIVITY DATA
STABILITY: UNSTABLE ____, STABLE _X_, CONDITIONS TO AVOID N AP
INCOMPATIBILITY (MATERIAL TO AVOID): N AP
HAZARDOUS DECOMPOSITION PRODUCTS: N AP

HAZARDOUS POLYMERIZATION: MAY OCCUR ____, WILL NOT OCCUR _X_, CONDITIONS TO
AVOID N AP
SECTION VIII - SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WIPE UP SPILL WITH
DAMP SPONGE OR MOP, FLUSH DOWN DRAIN WITH PLENTY OF WATER.

WASTE DISPOSAL METHOD: DISPOSE OF ACCORDING TO FEDERAL, STATE AND LOCAL
REGULATIONS.

SECTION IX - SPECIAL PROTECTION INFORMATION
RESPIRATORY PROTECTION (SPECIFY TYPE): N AP

VENTILATION: LOCAL EXHAUST - N AP MECHANICAL (GENERAL) - YES, SPECIAL-----
OTHER -----
PROTECTIVE GLOVES: RECOMMENDED EYE PROTECTION: SAFETY GOGGLES
OTHER PROTECTIVE EQUIPMENT: N AP

SPECIAL X-SPECIAL PRECAUTIONS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
KEEP CONTAINER CLOSED. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. USE ONLY IN
ADEQUATE VENTILATION.
OTHER PRECAUTIONS
WASH THOROUGHLY AFTER HANDLING

*SUBJECT TO SARA TITLE III & 313 REPORTING REQUIREMENTS