

M A T E R I A L S A F E T Y D A T A S H E E T
EM SCIENCE
A DIVISION OF EM INDUSTRIES
111 WOODCREST
CHERRY HILL, N.J. 08034-0395

PREPARATION DATE: OCT 27, '87

INFORMATION PHONE NUMBER.:
(609) 354-9200
CHEMTREC EMERGENCY NUMBER:
1-800-424-9300

| N F P A H A Z A R D R A T I N G S
|

| HEALTH: 2 FLAMMABILITY ...: 1
| REACTIVITY : 0 SPECIAL HAZARDS.: N/A

SECTION I - GENERAL INFORMATION

CATALOG NUMBER(S): CX1911 12553
CHEMICAL NAME.....: COOMASSIE BRILLIANT BLUE R
TRADE NAME.....: ACID BLUE 83; C.I. #42660
C.A.S. NUMBER.....: 6104-59-2
CHEMICAL FAMILY...: TRIPHENYLMETHANE DYE
FORMULA.....: C₄₅H₄₄N₃NaO₇S₂
MOLECULAR WEIGHT.: 825.99
DOT SHIPPING NAME: N/A
DOT NUMBER.....: N/A

SECTION II - HAZARDOUS INGREDIENTS

-NONE OTHER THAN SPECIFIED PRODUCT

SECTION III- PHYSICAL DATA

BOILING POINT (C 760 MM HG).: N/A
MELTING POINT (C).....: N/A
SPECIFIC GRAVITY(H₂O = 1).....: N/A
VAPOR PRESSURE..(MM HG).....: N/A 20C
PERCENT VOLATILE BY VOL (%): N/A
VAPOR DENSITY (AIR=1).....: N/A
EVAPORATION RATE (BUAC=1).....: N/A
SOLUBILITY IN WATER (%): SLIGHT
APPEARANCE AND ODOR.....: DARK PURPLE POWDER

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (F).....: NONE
FLAMMABLE LIMITS LEL %.: N/A
FLAMMABLE LIMITS UEL %.: N/A
EXTINGUISHING MEDIA.....:
CO₂, FOAM, DRY CHEMICAL
FIRE FIGHTING PROC.....:

MSDS-CX1911

PAGE # : 01

WEAR SELF-CONTAINED BREATHING APPARATUS
FIRE & EXPL. HAZARDS...:
-EMITS HIGHLY TOXIC FUMES UPON THERMAL DECOMPOSITION

SECTION V - HEALTH HAZARD DATA (ACUTE AND CHRONIC)
ACGIH TLV/OSHA PEL (TWA).....:
& PEL: NONE ESTABLISHED
TOXICITY DATA.....:
-NONE ESTABLISHED
SYMPTOMS OF EXPOSURE:
-NO APPLICABLE INFORMATION FOUND
MEDICAL COND. AGGRAVATED BY EXP: DATA NOT AVAILABLE.
ROUTES OF ENTRY.....: INHALATION, INGESTION OR SKIN CONTACT.
CARCINOGENICITY.....: SEE COMMENTS, SECTION X; IF NO INFORM-
ATION APPEARS, THE MATERIAL IS NOT LISTED AS A CANCER CAUSING AGENT.
EMERGENCY FIRST AID.....:
SKIN: WASH WITH SOAP AND WATER
EYES: FLUSH THOROUGHLY WITH WATER
INHALATION: REMOVE TO FRESH AIR
INGESTION: IF CONSCIOUS, INDUCE VOMITING
GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

SECTION VI - REACTIVITY DATA
STABILITY.....: YES
CONDITIONS TO AVOID:
-NONE
MATERIALS TO AVOID.....: () WATER () ACIDS
() BASES () CORROSIVES (X) OXIDIZERS
() OTHER (SPECIFY)-N/A
HAZARDOUS POLYMERIZATION.: DATA NOT AVAILABLE.
HAZARDOUS DECOMPOSITION..: -SOX, NOX, COX

SECTION VII - ENVIRONMENTAL PROTECTION PROCEDURES
SPILL RESPONSE:
-TAKE UP & CONTAINERIZE FOR PROPER DISPOSAL
WASTE DISPOSAL: TO BE PERFORMED IN COMPLIANCE WITH ALL CURRENT LOCAL,
STATE AND FEDERAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION
VENTILATION, RESPIRATORY PROTECTION, PROTECTIVE CLOTHING, EYE PROTECTION:
-MATERIAL SHOULD BE HANDLED OR TRANSFERRED ONLY IN AN APPROVED
FUME HOOD OR WITH ADEQUATE VENTILATION
PROTECTIVE GLOVES (BUTYL, NATURAL RUBBER, NEOPRENE, PVC OR
EQUIVALENT) SHOULD BE WORN TO PREVENT SKIN CONTACT
SAFETY GLASSES WITH SIDE SHIELDS SHOULD BE WORN AT ALL TIMES

SECTION IX - SPECIAL PROTECTION INFORMATION
HANDLING & STORAGE:
-KEEP CONTAINER CLOSED

STORE AT CONTROLLED ROOM TEMPERATURE
WASH THOROUGHLY AFTER HANDLING
DO NOT BREATHE DUST
DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING
DO NOT TAKE INTERNALLY
WORK/HYGIENIC PRACTICES: WASH THOROUGHLY AFTER HANDLING. DO NOT TAKE
INTERNALLY. EYE WASH AND SAFETY EQUIPMENT SHOULD BE READILY AVAILABLE.

SECTION X - OTHER INFORMATION

COMMENTS.....:

REV. 6/87

-
N/A

REVISION HISTORY.....: 09/01/84, N/A
OCT 27, '87

N/A = NOT AVAILABLE:

MSDS-CX1911

PAGE # : 03