

Valid 05/2003 - 07/2003

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## M A T E R I A L S A F E T Y D A T A S H E E T

## SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -

CATALOG #: C6767  
NAME: CONGO RED

## SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 573-58-0  
MF: C32H22N6NA2O6S2  
EC NO: 209-358-4

## SYNONYMS

ATLANTIC CONGO RED \* ATUL CONGO RED \* AZOCARD RED CONGO \* BENZO CONGO  
RED \* BRASILAMINA CONGO 4B \* CERVEN KONGO (CZECH) \* CERVEN PRIMA 28  
(CZECH) \* C.I. 22120 \* C.I. DIRECT RED 28 \* C.I. DIRECT RED 28,  
DISODIUM SALT \* CONGO RED \* CONGO RED 4B \* CONGO RED 4BX \* CONGO RED  
CR \* CONGO RED H \* CONGO RED ICI \* CONGO RED L \* CONGO RED M \* CONGO  
RED N \* CONGO RED R \* CONGO RED RS \* CONGO RED W \* COTTON RED 5B \*  
COTTON RED 4BC \* COTTON RED L \* DIACOTTON CONGO RED \* DIRECT RED 28 \*  
DIRECT RED C \* DIRECT RED DC-CF \* DIRECT RED K \* ERIE CONGO 4B \*  
HAEMONORM \* HEMORRHAGYL \* HISPAMIN CONGO 4B \* KAYAKU CONGO RED \*  
KONGOROT (GERMAN) \* MITSUI CONGO RED \* PEERAMINE CONGO RED \* RED K \*  
SODIUM DIPHENYLDIAZO-BIS(ALPHA-NAPHTHYLAMINESULFONATE) \* SUGAI CONGO  
RED \* TERTRODIRECT RED C \* TRISULFON CONGO RED \* VONDACEL RED CL \*  
NATRIUM-SALZ DER DIPHENYL-BIS-AZO-BIS-NAPHTHYLAMIN-4-SULFONSAEURE  
(GERMAN) \*

## SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

## LABEL PRECAUTIONARY STATEMENTS

## TOXIC

MAY CAUSE CANCER.

POSSIBLE RISK OF HARM TO THE UNBORN CHILD.

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

PROBABLE CARCINOGEN (US)

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE  
IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF  
WATER AND SEEK MEDICAL ADVICE.

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE  
PROTECTION.

## SECTION 4. - - - - - FIRST-AID MEASURES- - - - -

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.  
CALL A PHYSICIAN IMMEDIATELY.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL  
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER  
FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND  
SHOES. CALL A PHYSICIAN.

IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER  
FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING  
THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

## SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

## EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

## SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

## UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

## SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES- - - - -

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

AVOID RAISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

EVACUATE AREA.

## SECTION 7. - - - - - HANDLING AND STORAGE- - - - -

REFER TO SECTION 8.

## SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -

USE ONLY IN A CHEMICAL FUME HOOD.

SAFETY SHOWER AND EYE BATH.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

WASH THOROUGHLY AFTER HANDLING.

DO NOT BREATHE DUST.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

NIOSH/MSHA-APPROVED RESPIRATOR.

COMPATIBLE CHEMICAL-RESISTANT GLOVES.

CHEMICAL SAFETY GOGGLES.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

## SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

## APPEARANCE AND ODOR

SOLID.

## PHYSICAL PROPERTIES

MELTING POINT: 360 C

## SOLUBILITY:

WATER -Z25050

ETHANOL, ACETON

INSOLUBLE IN ET

PH: 8 - 9.5

## SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

## STABILITY

STABLE.

## INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

## HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE

NITROGEN OXIDES

SULFUR OXIDES

## HAZARDOUS POLYMERIZATION

WILL NOT OCCUR.

## SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -

## ACUTE EFFECTS

CAUSES SKIN IRRITATION.

MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.

CAUSES EYE IRRITATION.

MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

MAY BE HARMFUL IF INHALED.

MAY BE HARMFUL IF SWALLOWED.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

CHRONIC EFFECTS

POSSIBLE RISK OF CONGENITAL MALFORMATION IN THE FETUS.

THIS PRODUCT IS OR CONTAINS A COMPONENT THAT HAS BEEN REPORTED TO BE PROBABLY CARCINOGENIC BASED ON ITS IARC, OSHA, ACGIH, NTP OR EPA CLASSIFICATION.

RTECS #: QK1400000

1-NAPHTHALENESULFONIC ACID,

3,3'-(4,4'-BIPHENYLENEBIS(AZO))BIS(4-AMINO-, DISODIUM SALT

IRRITATION DATA

EYE-RBT 100 MG MOD

TSCAT\* OTS 215154

TOXICITY DATA

ORL-MAN LDLO:143 MG/KG

34ZIAG -,185,1969

IVN-MAN LDLO:1429 UG/KG

DMWOAX 89,1845,1964

ORL-RAT LD50:15200 MG/KG

TSCAT\* OTS 215154

TARGET ORGAN DATA

BEHAVIORAL (SOMNOLENCE)

BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)

VASCULAR (OTHER CHANGES)

LUNGS, THORAX OR RESPIRATION (CHRONIC PULMONARY EDEMA OR CONGESTION)

LUNGS, THORAX OR RESPIRATION (DYSPPNAE)

BLOOD (CHANGE IN CLOTTING FACTORS)

PATERNAL EFFECTS (SPERMATOGENESIS)

PATERNAL EFFECTS (TESTES, EPIDIDYMIS, SPERM DUCT)

EFFECTS ON FERTILITY (POST-IMPLANTATION MORTALITY)

EFFECTS ON EMBRYO OR FETUS (OTHER EFFECTS TO EMBYRO OR FETUS)

SPECIFIC DEVELOPMENTAL ABNORMALITIES (CENTRAL NERVOUS SYSTEM)

SPECIFIC DEVELOPMENTAL ABNORMALITIES (EYE, EAR)

SPECIFIC DEVELOPMENTAL ABNORMALITIES (UROGENITAL SYSTEM)

EFFECTS ON NEWBORN (GROWTH STATISTICS)

EFFECTS ON NEWBORN (PHYSICAL)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES

(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR

COMPLETE INFORMATION.

SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -  
DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -  
CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL.

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -  
CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -  
EUROPEAN INFORMATION

EC INDEX NO: 611-027-00-8

TOXIC

R 45

MAY CAUSE CANCER.

R 63

POSSIBLE RISK OF HARM TO THE UNBORN CHILD.

S 45

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE

IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

NOHS 1974: HZD M3158; NIS 8; TNF 384; NOS 8; TNE 1523

NOES 1983: HZD M3158; NIS 3; TNF 284; NOS 6; TNE 4271; TFE 3442

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY  
EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES  
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001  
NIOSH ANALYTICAL METHOD, 1994: DYES, 5013

SECTION 16. - - - - - OTHER INFORMATION- - - - -

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