

BIO BASIC INC.
20 KONRAD CRES, MARKHAM ONTARIO L3R 8T4 CANADA
TEL: (905) 474 4493, (800) 313 7224 FAX: (905) 474 5794

MATERIAL SAFETY DATA SHEET
REQUIRED UNDER SAFETY AND HEALTH REGULATION FOR SHIP REPAIRING

MANUFACTURER'S NAME: BIO BASIC INC.
TEL: (905) 474 4493
FAX: (905) 474 5794
FOR CHEMICAL EMERGENCY: (416) 995 9730
ADDRESS: 20 KONRAD CRES, MARKHAM ONTARIO L3R 8T4 CANADA

DATE UPDATED: NOVEMBER 04, 2014

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

Product Name Congo Red

Product Code(s) CB0324

Recommended Use For Further Manufacturing Use Only
Not for Human or Animal Drug Use

Synonyms ATLANTIC CONGO RED * ATUL CONGO RED * AZOCARD RED CONGO *
BENZO CONGORED * 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 REDCR * 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
CONGORED * TERTRODIRECT RED C * TRISULFON CONGO RED *
VONDACEL RED CL * NATRIUM-SALZ DER
DIPHENYL-BIS-AZO-BIS-NAPHTHYLAMIN-4-SULFONSAEURE (GERMAN) *

SECTION 2. ----- HAZARDS IDENTIFICATION -----

GHS - Classification

Classification Carcinogen 1B Toxic to Reproduction 2 Skin Irritant 2 Eye Irritant 2 Acute
Toxicity Oral 4 Respiratory Sensitizer 1 Skin Sensitizer 1

Signal Word Danger



Hazard Statements H350 - May cause cancer H361 - Suspected of damaging fertility or the unborn
child H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May
cause respiratory irritation H302 - Harmful if swallowed H317 - May cause an
allergic skin reaction

Precautionary Statements

P310 - Immediately call a POISON CENTRE or doctor/physician P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+ P352 - IF ON SKIN: Wash with plenty of soap and water P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	REACH Reg. No.	CAS-No	Weight %	Classification
C.I. Direct red 28	EEC No. 209-358-4	Not available	573-58-0	95-100	Carc.Cat.2;R45 Repr.Cat.3;R63

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

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes
Inhalation	Move to fresh air. If breathing becomes difficult, give oxygen
Ingestion	Clean mouth with water and afterwards drink plenty of water
Notes to Physician	Treat symptomatically

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

Flammable Properties	Not flammable
Flash Point	Not determined
Suitable Extinguishing Media	Dry chemical, CO2, water spray or regular foam
Hazardous Combustion Products	Carbon oxides, Sulfur oxides, Nitrogen oxides (NOx).
Explosion Data	
Sensitivity to Mechanical Impact	Not sensitive
Sensitivity to Static Discharge	Not sensitive
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

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

Personal Precautions	Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation
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Methods for Containment Prevent further leakage or spillage if safe to do so

Methods for Cleaning Up Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

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

Handling Handle in accordance with good industrial hygiene and safety practice

Storage Keep containers tightly closed in a dry, cool and well-ventilated place

Incompatible Products Strong oxidizing agents.

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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
C.I. Direct red 28 573-58-0			

Engineering Measures Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin and Body Protection Wear protective gloves/clothing

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice

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

Appearance Rust

Odor No information available

Odor Threshold No information available

Decomposition Temperature °C No information available

Freezing Point No information available

Initial Boiling Point No information available

Physical State Crystalline Powder

pH (in aqueous solution) 8-9.5

Flash Point Not determined

Autoignition Temperature No data available

Boiling Point/Range No data available

Melting Point/Range >360 °C

Flammability Limits in Air **Upper** No data available **Lower** No data available

Explosive Properties No information available

Oxidizing Properties No information available

Evaporation Rate No data available

MMHG @ 37.8 C No data available

Vapor Density No data available

Specific Gravity No data available
Solubility No information available
Partition Coefficient (n-octanol/water) No data available
Viscosity No information available

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

Stability Stable under recommended storage conditions
Incompatible Products Strong oxidizing agents.
Conditions to Avoid None known based on information supplied
Hazardous Decomposition Products Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides.
Hazardous Polymerization Hazardous polymerization does not occur

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

Acute Toxicity

Product Information Toxic by inhalation and if swallowed. Sensitizer. Causes skin, eye and respiratory tract irritation.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
C.I. Direct red 28	15200 mg/kg (Rat)		

Chronic Toxicity

Chronic Toxicity Suspected carcinogen. Suspected teratogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
C.I. Direct red 28		Group 2A	Known	X

Target Organ Effects None known.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

Ecotoxicity

The environmental impact of this product has not been fully investigated

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

Waste Disposal Method Dispose of material in accordance with all federal, state, and local regulations
Contaminated Packaging Dispose of in accordance with all federal, state and local regulations

SECTION 14. ----- TRANSPORT INFORMATION -----

IATA Not regulated

DOT

Not regulated

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

REACH Title VII Restrictions No information available.

Chemical Name	Dangerous Substances	Organic Solvents	Harmful Substances Whose Names Are to be Indicated on the Label	Pollution Release and Transfer Registry (Class II):	Pollution Release and Transfer Registry (Class I):	Poison and Deleterious Substances Control Law:
C.I. Direct red 28	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Component	ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	ISHA - Harmful Substances Requiring Permission	Toxic Chemical Classification Listing (TCCL) - Toxic Chemicals	Toxic Release Inventory (TRI) - Group I	Toxic Release Inventory (TRI) - Group II
C.I. Direct red 28573-58-0 (95-100)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
ENCS	Does not Comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

CERCLA

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Component	CAS-No	California Prop. 65
C.I. Direct red 28	573-58-0	Carcinogen

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
C.I. Direct red 28		X			

International Regulations

Mexico - Grade No information available.

Canada

WHMIS Hazard Class

D2A Very toxic materials

D2B Toxic materials



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

Issuing Date 13-Aug-2009
Revision Date 04-Nov-2014
Revision Note No information available.
Recommended Restrictions No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS