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Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

**Product Name** Congo Red  
**Product Code(s)** 0379  
**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) \*

**Company**  
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**Emergency Telephone Number** Chemtrec 1-800-424-9300

**Company Phone Number** 1-800-448-4442  
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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

**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

**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

**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**  
**Sensitivity to Static Discharge**

Not sensitive  
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

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions**

Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation

**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.

**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.

**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**  
**Skin and Body Protection**  
**Respiratory Protection**

Tightly fitting safety goggles.  
Wear protective gloves/clothing  
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

## 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	<b>Upper</b> No data available	<b>Lower</b> 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	

## 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

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Product Information	Toxic by inhalation and if swallowed. Sensitizer. Causes skin, eye and respiratory tract irritation.
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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.
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Chemical Name	ACGIH	IARC	NTP	OSHA

C.I. Direct red 28		Group 2A	Known	X
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**Target Organ Effects** None known.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated

**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

**14. TRANSPORT INFORMATION**

**IATA** Not regulated

**DOT** Not regulated

**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 28 573-58-0 ( 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

Chemical Name	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



## 16. OTHER INFORMATION

**Issuing Date** 04-Nov-2009

**Revision Date** 18-Apr-2011

**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**