

Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME CONGO RED [CI 22120]
(Direct Red 28, Cotton Red B, Cosmos Red)
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)

PRODUCT CODE 80039x

SUPPLIER	Clin-Tech Limited	Telephone	+44 (0)1483 301902
	Unit G, Perram Works	Fax	+44 (0)1483 301907
	Merrow Lane	Email	info@clin-tech.co.uk
	Guildford, Surrey	Website	www.clin-tech.co.uk
	GU4 7BN		
	UK		

2. HAZARDS IDENTIFICATION

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

Carcinogenicity (Category 1B)

Reproductive Toxicity (Category 2)

LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

DANGER



Hazard statement(s)

H350 May cause cancer

H361d Suspected of damaging the unborn child

Precautionary statement(s)

P201 Obtain special instructions before use

P281 Use personal protective equipment as required

P308 + P313 IF exposed or concerned: Get medical advice/attention

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC #	CAS #	Content	Formula	Molar Mass
CONGO RED	209-358-4	573-58-0	80-100%	C ₃₂ H ₂₂ N ₆ Na ₂ O ₆ S ₂	696.66 g/mol

4. FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get prompt medical attention.

INGESTION

Do not induce vomiting. Rinse mouth with water. Never make an unconscious person vomit or drink fluids. Get medical attention immediately.

SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. Take victim to hospital.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Water spray, Alcohol-resistant foam, Dry chemicals, or Carbon dioxide .

UNUSUAL FIRE AND EXPLOSION HAZARDS

Forms harmful oxides of: carbon, nitrogen, sulphur or sodium on combustion.

PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus if necessary.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid dust formation. Avoid breathing dust. Evacuate personnel from area. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Do not allow spillage to enter watercourses, drains or sewers. Stop further spillage if possible without risk.

SPILL CLEAN-UP METHODS

Sweep up into bag and hold for hazardous disposal. Avoid raising dust. Flush area with water – do not allow water to enter drains. Absorb with disposable towels and hold for hazardous disposal – see section 13.

7. HANDLING & STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid dust formation. Provide adequate exhaust function where dust is raised.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

STORAGE CLASS

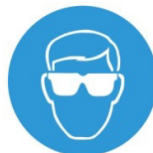
Chemical storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

PROTECTIVE EQUIPMENT



HAND PROTECTION

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved, tight-fitting safety glasses where dust is probable.

RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where high dust levels are likely.

OTHER PROTECTION

Provide eyewash station.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Dark Red Powder
ODOUR	None
SOLUBILITY	Water, ethanol
MELTING POINT	>360 °C

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

INCOMPATIBLE MATERIALS

Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

<u>TOXIC DOSE</u>	LD 50	Oral, Rat	15,200 mg/kg
	LDLO	Oral, Human	143 mg/kg

LDLO (Vascular changes)
Intravenous, Human 1.429 mg/kg
(Convulsions, Dyspnea)

SERIOUS EYE DAMAGE / EYE IRRITATION

Eyes - rabbit - Moderate eye irritation - Draize Test

RESPIRATORY OR SKIN SENSITIZATION

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals

GERM CELL MUTAGENICITY

Genotoxicity *in vitro* – rat – Liver – Unscheduled DNA synthesis

REPRODUCTIVE TOXICITY

Possible risk of congenital malformation in the foetus.

Reproductive toxicity - rat - female – Intraperitoneal

Effects on Fertility: Post-implantation mortality

INHALATION

May be harmful if inhaled. May cause respiratory tract irritation.

INGESTION

May be harmful if swallowed.

SKIN CONTACT

May be harmful if absorbed through skin. May cause skin irritation.

EYE CONTACT

Causes serious eye irritation.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

None recorded.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	<i>Not regarded as hazardous for transport</i>			
<u>IATA</u>				
<u>IMDG</u>				

15. REGULATORY INFORMATION

STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.
Workplace Exposure Limits EH40/2011.

16. OTHER INFORMATION

GENERAL INFORMATION

This safety data sheet covers all codes for this product.

REVISION INFORMATION

Revision No.	3
Revision Date	07/2014
Comments	CHIP regulations removed
Replaces Document Generated	05/2012

HAZARD STATEMENTS IN FULL

H350	May cause cancer
H361d	Suspected of damaging the unborn child