ISO 9001:2015, 14001:2015, 45001:2018 & RoHS Certified

SMG CoateX

A Chemistry For Performance

Manufacturer of Speciality Chemicals & Coating

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Organic Composite Dyes	MATERIAL SAFETY DATA SHEET SDS/MSDS

SECTION 1: Chemical product and general information

- **Product Name – Organic Composite Dyes**
- **Manufacturer's Name – SMG CoateX**
- **Address – Office: Second Shree ji Bungalow, Tehsil Road, Nathdwara-313301**
  Unit: N.H.8, Industrial Area, Gunjol, Nathdwara-313301(Raj.) INDIA
- **Category - Product Name - Various as per the colors**
- **Emergency Telephone: + 91 7300498888**
- **E mail - info@smgcoatex.com**
- **MSDS Issue Date - 10/06/2024**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Acute toxicity, Oral (Category 4), H302
Acute toxicity, Inhalation (Category 4),
H332 Acute toxicity, Dermal (Category 4),
H312 Skin irritation (Category 2), H315
Eye irritation (Category 2), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008
Pictogram

GHS06

Signal word	Warning
Hazard statement(s)	
H302 + H312 + H332	Harmful if swallowed, in contact with skin or if inhaled
H315	Causes skin irritation. Causes
H319	serious eye irritation
	Precautionary statement(s)
P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

H315 H319	Causes skin irritation. Causes serious eye irritation.
	Precautionary statement(s)
P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P302 + P352 + P312	IF ON SKIN: Wash with plenty of water. Call a POISON CENTER or doctor/ physician if you feel unwell.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/ attention. none
Supplemental Hazard Statements	

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.
Rapidly absorbed through skin.

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	:	2-Butoxyethanol Butyl glycol EB Solvent
Formula	:	$C_6H_{14}O_2$
Molecular weight	:	118,18 g/mole
CAS-No.	:	111-76-2
EC-No.	:	203-905-0
Index-No.	:	603-014-00-0

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component		Classification	Concentration
2-Butoxyethanol			
CAS-No.	111-76-2	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; H302, H332, H312, H315, H319	<= 100 %
EC-No.	203-905-0		
Index-No.	603-014-00-0		

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Inhalation:

Avoid Inhalation of vapor or mist. Move to fresh air in case of accidental inhalation of vapors, breathing as irregular or stopped, administer artificial respiration. if unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

4.2 Skin:

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, self a physician.

4.3 Eye Contact:

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical advice.

4.4 EAT:

- Wash your mouth and drink plenty of water.
- If large quantities of this material have been ingested, seek medical advice.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations.
Vapors can accumulate in low areas. For personal
protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class
(TRGS 510): Combustible liquids.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Additional technical information on the plant

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by lye use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapor below the OEL, suitable respiratory protection must be worn.

8.2 Respiratory protection

When workers are facing concentrations above. The exposure limit they must use appropriate certified respirators. Hand protection.
The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability product compatibility, and anti-static properties), When the intended use is for spray application a nitrile glove of in chemical resistance group 3 {e.g. Dermatoid R glove) is to be used: After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used When skin exposure may occur to materials specified in chapter 2 of this SOS … advice should be sought from the grove.
Supplier as to appropriate type to use with This product and the permeation break through times. Cleaning solvents or viscosity adjustment thinners require special hand protection; a fluorocarbon rubber glove should be used. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage. maintenance and replacement must be followed.
Damaged gloves or those showing signs of wear should be replaced immediately.
Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective.
The instructions and information provided by the glove supplier on use, storage. maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replacing d immediately.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a. Appearance Form	liquid Color: colorless
b. Orders	No data available
c. Odor Threshold	No data available
d. pH	No data available
e. Melting point/ freezing	Melting point/range: -75 °C - lit point
f. Initial boiling point and boiling range	167 - 171 °C - lit
g. Flash point	67 °C - closed cup
h. Evaporation rate	No data available
i. Flammability (solid, gas)	No data available
j. Upper/lower flammability or explosive limits	Upper explosion limit: 12,7(v) Lower explosion limit:1,1%(v)

k. Vapor pressure	13 hPa at 81 °C <1 hpa at 20 °C
l. Vapor density	4,08 – (Air = 1.0)
m. Relative density	0.899-0.903 g/cm3 at 20 °C
n. Water solubility	soluble
o. Partition coefficient: n-Octanol /water	log Pow: 0,81 at 25 °C
p. Auto-ignition temperature	230 °C at 1.013 h
q. Decomposition temperature	No data available
r. Viscosity	3,642 mm2/s at 20°C
s. explosive properties	No data available
t. Oxidizing properties	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
Heat, flames and sparks.

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
Other decomposition products - No data available in the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects Acute toxicity

LD50 Oral - Rat - male - 880 mg/kg
(OECD Test Guideline 401)

LD50 Dermal - Rabbit - male - 1.060 mg/kg

(OECD Test Guideline 402)

LD50 Intraperitoneal - Rat - 220

mg/kg LD50 Intravenous - Rat -

307 mg/kg

Skin corrosion/irritation
Skin - Rabbit
Result: Skin irritation - 20 h

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Eye irritation - 24 h
(OECD Test Guideline 405)

Skin corrosion/irritation
Skin - Rabbit
Result: Skin irritation - 20 h

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Eye irritation - 24 h
(OECD Test Guideline 405)

Respiratory or skin sensitization
Maximization Test (GPMT) - Guinea pig
Result: Does not cause skin sensitization.
(OECD Test Guideline 406)

Germ cell mutagenicity
Hamster ovary
Result: negative

OECD Test Guideline 474 Mouse - male
Result: negative

Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Butoxyethanol)

Reproductive toxicity

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information

Repeated dose toxicity: Rat - male - Oral - NOAEL: < 69 mg/kg - OECD Test Guideline 408
RTECS: KJ8575000

Human exposure above 200 ppm can be expected to cause narcosis, damage to the kidney and liver and present an abnormal blood picture showing erythrogenic, reticulocytosis, agranulocytosis, leukocytosis, and would be likely to cause fragility of erythrocytes and hematuria. Swallowing of 2-butoxyethanol results in a sour taste that turns to a burning sensation and is followed by numbness of the tongue which indicates paralysis of the sensory nerve endings., Central nervous system depression, Headache, narcosis.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish	static test LC50 - Oncorhynchus mykiss (rainbow trout) - 1.474 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and h another aquatic Invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - 1.550 mg/l - 48 (OECD Test Guideline 202)
Toxicity to algae	Growth inhibition EC50 - Pseudokirchneriella subcarinate (green algae) - 1.840 mg/l - 72 h (OECD Test Guideline 201)

12.2 Persistence and degradability

Biodegradability	aerobic - Exposure time 28 d Result: 90,4 % - Readily biodegradable (OECD Test Guideline 301B) Remarks: The 10-day time window criterion is not fulfilled.
Ratio BOD/ThBOD	88 %

12.3 Bio accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment

methods Product

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
H302 + H312 + H332	Harmful if swallowed, in contact with skin or if inhaled
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.cdhfinechemical.com for additional terms and conditions of sale.