





Safety Data Sheet Dye concentrates blue

Safety Data Sheet dated 9/8/2014, version 2

1. IDENTIFICATION

Product identifier
Mixture identification:
Trade name: Dye concentrates blue
Other means of identification:
Trade code: 6CTE5118
Recommended use of the chemical and restrictions on use
Recommended use: Surface coating
Restrictions on use:
none
Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party
Company:
Sirca S.p.A.
Address:
Viale Roma, 85
35010 S. Dono di Massanzago (PD) - ITALY
Tel. +39 0499322311
Competent person responsible for the safety data sheet:
safety@sirca.it
Emergency phone number
Sirca S.p.A. +39 049 9322311 (08.00 - 17.00) Rome Time - from Monday to Friday

2. HAZARD(S) IDENTIFICATION

Classification of the chemical
 Warning, Flam. Liq. 3, Flammable liquid and vapour.
 Warning, STOT SE 3, May cause drowsiness or dizziness.

Label elements
Symbols:



Warning

Hazard statements:
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
Precautionary statements:
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor/... if you feel unwell.
P370+P378 In case of fire: Use use CO₂, Foam, Chemical powders for extinction.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with applicable regulations.
Special Provisions:
None
Hazards not otherwise classified identified during the classification process:
None
Ingredient(s) with unknown acute toxicity:
None.
Additional classification information
NFPA rating:

Safety Data Sheet

Dye concentrates blue



HMIS rating:

HEALTH	*	1
FLAMMABILITY		3
PHYSICAL HAZARD		1
PERSONAL PROTECTION		

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 75% 1-methoxy-2-propanol

REACH No.: 01-2119457435-35-xxxx, Index number: 603-064-00-3, CAS: 107-98-2, EC: 203-539-1



B.6/3 Flam. Liq. 3 H226



A.8/3 STOT SE 3 H336

>= 9.9% - < 12.5% sodium 1-amino-4-[[3-[(benzoylamino)methyl]-2,4,6-trimethylphenyl]amino]-9,10-dihydro-9,10-dioxanthracene-2-sulphonate

CAS: 67827-60-5, EC: 267-224-0

US-HAE/C3 Aquatic Chronic 3 H412

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:



Safety Data Sheet

Dye concentrates blue

In case of fire, use CO₂, Foam, Chemical powders
Unsuitable extinguishing media:
None in particular.
Specific hazards arising from the chemical
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
Hazardous combustion products:
None
Explosive properties: N.A.
Oxidizing properties: N.A.
Special protective equipment and precautions for fire-fighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures
Wear personal protection equipment.
Remove all sources of ignition.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Provide adequate ventilation.
Remove persons to safety.
Use appropriate respiratory protection.
See protective measures under point 7 and 8.
Methods and materials for containment and cleaning up
Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Do not use on extensive surface areas in premises where there are occupants.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
Conditions for safe storage, including any incompatibilities
Always keep in a well ventilated place.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from flame and sparks. Avoid accumulating electrostatic charge.
Place recipients on the ground whilst decanting, and wear anti-static clothing and shoes.

Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.
Safety electric system.
Storage temperature:
Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
1-methoxy-2-propanol - CAS: 107-98-2
AGS - LTE: 375 mg/m³, 100 ppm - STE: 558 mg/m³, 150 ppm - Notes: pelle
TLV TWA - 100 ppm - 368,59 mg/m³
TLV STEL - 150 ppm - 552,88 mg/m³
VLE 8h - 375 mg/m³ - 100 ppm
VLE short - 568 mg/m³ - 150 ppm
DNEL Exposure Limit Values
N.A.
PNEC Exposure Limit Values
N.A.
Appropriate engineering controls:
None
Individual protection measures
Eye protection:
Use close fitting safety goggles, don't use eye lens.
Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.



Safety Data Sheet

Dye concentrates blue

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	liquid
Odour:	characteristic
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	< 1° C
Initial boiling point and boiling range:	> 55° C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	21° C <= fp < 55° C (69.8°F <= fp < 131°F)
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	1.0000 Kg/l a 20° C
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	> 250° C
Decomposition temperature:	N.A.
Viscosity (typical value):	18.00 " Din cup # 4
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

10. STABILITY AND REACTIVITY

Reactivity

It may generate dangerous reactions (See subsections below)

Chemical stability

It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

No dangerous reaction is stored and used appropriately.

Conditions to avoid

Avoid accumulating electrostatic charge.
Vapours can form explosive mixtures with air.

Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

1-methoxy-2-propanol - CAS: 107-98-2
LD50 (RABBIT) ORAL: 8 G/KG (8000 MG/KG)

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

None.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

sodium 1-amino-4-[[3-[(benzoylamino)methyl]-2,4,6-trimethylphenyl]amino]-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate - CAS: 67827-60-5



Safety Data Sheet

Dye concentrates blue

a) Aquatic acute toxicity:

Endpoint: EC0 - Species: Daphnia = 34 mg/l - Duration h: 48 - Notes: OECD 202

Endpoint: LC50 - Species: Fish = 14 mg/l - Duration h: 96 - Notes: OECD 203

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

UN number

ADR-UN Number: 1263

DOT-UN Number: 1263

IATA-UN Number: 1263

IMDG-UN Number: 1263

UN proper shipping name

ADR-Shipping Name: Paint Related material

DOT-Shipping Name: Paint Related material

IATA-Shipping Name: Paint Related material

IMDG-Shipping Name: Paint Related material

Transport hazard class(es)

ADR-Class: 3

DOT-Class: 3

IATA-Class: 3

IMDG-Class: 3

Packing group

ADR-Packing Group: II

DOT-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No

Special precautions

ADR-Tunnel Restriction Code: D/E

DOT-Special provisions: 149, B52, IB2, T4, TP1, TP8, TP28

IATA-Passenger Aircraft: 353

IATA-Cargo Aircraft: 364

IATA-S.P.: A72

IATA-ERG: 8L

IMDG-EmS: F-E, S-E

IMDG-Storage category: B

IMDG-Storage notes: None

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.

TSCA listed substances:

None.

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: no substances listed.

Section 313 – Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

1-methoxy-2-propanol is listed in CAA Section 112(b) - HON.

CWA - Clean Water Act



Safety Data Sheet

Dye concentrates blue

CWA listed substances:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

1-methoxy-2-propanol.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

1-methoxy-2-propanol.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

1-methoxy-2-propanol.

16. OTHER INFORMATION

Text of phrases referred to under heading 3:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Safety Data Sheet dated 9/8/2014, version 2

Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).