

Material Safety Data Sheet

1. Identification of the substance and the company

1.1 Identification of the substance

Trade name BIOCOLOR
Description/Use DUAL FUNCTION: COLOUR FIXER – SOLVES WASHING ERRORS

1.2 Identification of the company

Company name TINTOLAV s.r.l.
Address Via Massimo D'Antona, 7
Postal town and country 10028 TROFARELLO (TO)
ITALY
tel. +39 011/6496827
fax +39 011/6496742
tel. +39 02/66101029
Emergency telephone number: Ospedale
Niguarda (MI), Poison prevention centre

2. Composition / Information on the ingredients

Chemical characterization: Preparation
Mixture of non-ionic surfactants with polymers and additives
Hazardous substances: Alkylpoliglicoletere> 1% Xn R22 R41 R53
Propan-2-olo>1% Xi R11 - R38 - R67

3. Hazards identification

The product is toxic for ingestion, strongly irritant for the eyes and, for prolonged contact with concentrated solutions for the skin.

4. First aid measures

Skin contact: Rinse with plenty of water
Eye contact: Wash immediately with water for at least ten minutes, if
necessary seek an oculist examination.
Swallowing: Seek a medical examination. Do not absolutely induce vomiting.
Don't give anything to an unconscious person.
Inhalation: The patient is to be removed immediately from the contaminated premises and made to rest in
well ventilated area. OBTAIN MEDICAL ATTENTION.

5. Fire-fighting measures

Recommended Extinguishers: Water nebulized, CO2, foam, sand
Forbidden extinguishers: Jet of water
Risks arising from combustion: The combustion produces toxic fumes. The exposure to the decomposed products may
constitute health damage. It might be necessary the use of an suitable respiratory instrument.
To water- cool the closed tanks exposed to the fire. To avoid that the extinguishing liquids
have escaped into the drainage system or water course.

6. Accident release measures.

Measures for personal safety: Avoid direct contact with the skin and the eyes.
Environmental measures: Limit leakages with earth or sand. Gather the product in suitable canisters waiting for
disposal.
If the product has escaped into a water course, into the drainage system, notify the competent
authorities.

Cleaning methods: Water wash; in presence of abundant foam use antifoam agents, absorb the product with suitable absorbents.

7. Handling and storage

Handling precautions: No specific advice
Storage conditions: No specific advice
Instructions as regards storage premises: Adequately fresh and ventilated premises, don't exceed 30°C

8. Exposure controls / personal protection

Precautionary measures: As usual for chemical products
Personal protective equipment
Respiratory protection: In presence of vapours use an universal gas mask
Protection for hands: Use neoprene gloves
Eye protection: Use protective glasses
Protection for skin: Use personal protection equipment

9. Physical and chemical properties

Colour	<i>Light yellow limpid liquid</i>
Smell	characteristic
Physical state	liquid
Boiling point range	no data available
Solidification temperature range:	no data available
Flash point	> 60°C DIN 51755
Ignition temperature	no data available
Auto-ignition temperature	not self-inflammable
Upper explosion limit	no data available
Lower explosion limit	no data available
Density at 20°C	1,05 g/cm ³ DIN 51757
Water solubility	soluble
Viscosity at 20°C	<300 DIN 51562
pH value at 20°C	8 - 10 DGF-H-III-1

Biodegradability: over 90% (art. n. 136 of 26/04/1986 art. 2 and 4)

10. Stability and reactivity

Conditions to avoid: Protect against chilliness and overheating
Substances to avoid: Strong oxidants
Hazardous decomposition products: None in suitable storage and handling conditions

11. Toxicological information

Skin: Irritant
Eyes: Strongly irritant
Swallowing: LD 50>2000 MG/KG
Inhalation: Inhalation is possible only as aerosol. It may irritate respiratory passage
Sensitization: Not sensitizing
Other information: We don't know evidence of carcinogen, mutagenesis, teratogenesis effects.

12. Ecological information

Use the second best working practices rather than disperse into the product. Notify the competent authorities if the product has reached watercourses or sewers or if it has contaminated soil or vegetation.

Biodegradabilità > 90%

COD O₂ mg / g

BOD₅ mg O₂ / g

MBAS mg / g

BIAS mg / g

ITTIOSSICITÀ LC₅₀ %:

ECOTOSSICITÀ EC 50:

MOBILITÀ: no data are available on mobilizes' environmental product

POTENTIAL OF BIOACCUMULO: There is no data on the potential for bioaccumulation Product

AOX: The product does not contain organic compounds

HEAVY METAL: The product does not contain heavy metals at concentrations relevant to the waste water

14. Transport information

15. Regulatory information

D.M. 28/01/96 (Classification and labelling)

Symbols: Xn

R Phrases:

R22 - Toxic for swallowing

R38 - Irritant for the skin

R41 - Risk of serious eye lesion

R53 - It may cause long term negative effects for aquatic environment

S Phrases:

S26 - In case of eye contact, wash immediately with plenty of water and obtain medical attention

S28 - In case of skin contact, wash immediately with plenty of water

S36 - Use suitable protective garments

S37 - Use suitable gloves

S39 - Protect the eyes /face

Contiene:

Alkylpoliglicoletere > 1% Xn R22 R41 R53

Propan-2-olo > 1% Xi R11 - R38 - R67

91/155/EEC (Classification and labelling)

EEC Regulations (Labelling) /national law

Government rules 67/548/EEC, June 27, 1967, regarding the rapprochement of the regulatory legislative and administrative disposals pertinent to the classification, the packing and labelling of hazardous substances.

Law n. 52 03/02/97 DM 28/04/97; DM 04/04/97; DL N. 285 16/07/98; DM 11/04/01; DL 25/2002 23/03/02

16. Other information

PRODUCT FOR ONLY PROFESSIONAL USE IN THE LAUNDRIES.

Text of R-phrase(s) mentioned in Section 2 + 3

R10 Flammable.

R36 Irritating to the eyes.

R37 Irritating to the respiratory system

R38 Irritating to the skin.

R41 Risk of serious damage to the eyes.

R53 May cause long-term adverse effects in the aquatic environment.

R65 Harmful; May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

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