

Color Ink WP

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier: COLOR INK WP
- 1.2. Relevant identified uses of the substance or mixture and uses advised against: Ink for printing.
- 1.3. Details of the supplier of the safety data sheet: Ichemco srl
via 11 Settembre, 5
20012 Cuggiono (MI)
Italy
- Email address of the competent person: safety@ichemco.it
- 1.4. Emergency telephone number: 24hrs, UK: 844 892 0111; EU: +32 3 575 55 55
- Further information obtainable from: Product safety department

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
Classification in accordance with Regulation (EC) No. 1272/2008 (CLP)
No prescription.
- 2.2. Label elements
- | | |
|--------------------|--------------|
| Signal word: | none |
| Hazard statements: | - |
| Contains: | Ethanolamine |
- 2.3. Other hazards: n. a.

SECTION 3: Composition/information on ingredients

- 3.1. Substances
n. a.
- 3.2. Mixtures
Substances presenting a health or environmental hazard within the meaning of directives 67/548/EEC, 1999/45/EC and 1272/2008 (CLP):

ICHEMCO srl

via 11 Settembre, 5

20012 Cuggiono (MI) - ITALY

Phone +39 02 97243.1 - Fax +39 02 97243.200 - email: info@ichemco.it - internet: www.ichemco.it

CAS	EINECS	Registration n.	Denomination	Content	Classification(*)
141-43-5	205-483-3	01-2119486455-28	Ethanolamine	0.4 - 0.6%	Acute Tox. 4; H302 Acute Tox. 4; H312 Acute Tox. 4; H332 Eye Dam. 1; H318 Skin Corr. 1B; H314 STOT SE 3; H335 ATE Oral: 500 mg/kg ATE Dermal: 1100 mg/kg ATE Inhalation, gas: 4500 ppm ATE Inhalation, fog/powder: 1,5 mg/l ATE Inhalation, vapors: 1,1 mg/l

(*) For full text of the H- and EUH-phrases, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures: No damage to the staff assigned to the use of the product is reported. However we encourage to apply the general safety measures here indicated.

Inhalation: Move affected person to fresh air. Seek medical advise.

Eye contact: Flush immediately with large amounts of water for at least 15 minutes. Seek medical treatment.

Skin contact: Wash immediately with large amounts of water. Remove contemned clothing. If irritation persists, seek medical advice.

Ingestion: Consult physician or poison control center immediately. Do not induce vomiting if not asked by the physician. Do not give anything orally without medical authorization if subject is unconscious.

4.2. Most important symptoms and effects, both acute and delayed: n. a.

4.3. Indication of any immediate medical attention and special treatment needed: n. a.

SECTION 5: Firefighting measures

5.1. Extinguishing media: Water mist, dry chemical powder, foam, carbon dioxide (CO2).

Extinguishing media which must not be used: n. a.

5.2. Special hazards arising from the substance or mixture: n. a.

5.3. Advice for firefighters: n. a.

Recommendations: The contaminated water used for the extinguishing must be eliminated in compliance with the local legislative dispositions.

SECTION 6: Accidental release measures

Stop the spillage. Circumscribe the loss and remove it by absorbing on dry sand or other inert materials.

6.1. Personal precautions, protective equipment and emergency procedures: Equip cleanup crew with proper protection. Ventilate area. Evacuate unnecessary personnel.

6.2. Environmental precautions: Prevent spillage of the material into sewers, groundwater and surface waters.

6.3. Methods and material for containment and cleaning up: Stop the outpouring, if possible without hazard. Circumscribe the loss and remove it by absorbing on dry sand or other inert materials.

6.4. Reference to other sections: Please also refer to Sections 8 and 13.

SECTION 7: Handling and storage

This product must be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

7.1. Precautions for safe handling: Avoid eye contact and vapour breathing. Use appropriate gloves.

Advice on general occupational hygiene: (a) not to eat, drink and smoke in work areas; (b) to wash hands after use; and (c) to remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities: Protect from freeze.

7.3. Specific end use(s): Nothing special to note about specific uses.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters:

Substance:	TLW-TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Ethanolamine	1	2,5	3	7,6

Ethanolamine: TLV (BGR) - TWA/8h = 2,5 mg/m³; 1 ppm - STEL/15min = 7,6 mg/m³; 3 ppm
 TLV (CZE) - TWA/8h = 2,5 mg/m³; 0,985 ppm - STEL/15min = 7,5 mg/m³; 2,955 ppm
 AGW (DEU) - TWA/8h = 0,5 mg/m³; 0,2 ppm - STEL/15min = 0,5 mg/m³; 0,2 ppm - pelle
 MAK (DEU) - TWA/8h = 0,51 mg/m³; 0,2 ppm - STEL/15min = 0,51 mg/m³; 0,2 ppm
 VLA (ESP) - TWA/8h = 2,5 mg/m³; 1 ppm - STEL/15min = 7,5 mg/m³; 3 ppm - pelle
 VLEP (FRA) - TWA/8h = 2,5 mg/m³; 1 ppm - STEL/15min = 7,6 mg/m³; 3 ppm - pelle
 TLV (GRC) - TWA/8h = 2,5 mg/m³; 1 ppm - STEL/15min = 7,6 mg/m³; 3 ppm
 GVI/KGVI (HRV) - TWA/8h = 2,5 mg/m³; 1 ppm - STEL/15min = 7,6 mg/m³; 3 ppm - pelle
 VLEP (ITA) - TWA/8h = 2,5 mg/m³; 1 ppm - STEL/15min = 7,6 mg/m³; 3 ppm - pelle
 TGG (NLD) - TWA/8h = 2,5 mg/m³ - STEL/15min = 7,6 mg/m³ - pelle
 VLE (PRT) - TWA/8h = 2,5 mg/m³; 1 ppm - STEL/15min = 7,6 mg/m³; 3 ppm - pelle
 NDS/NDSch (POL) - TWA/8h = 2,5 mg/m³ - STEL/15min = 7,5 mg/m³ - pelle
 NGV/KGV (SWE) - TWA/8h = 2,5 mg/m³; 1 ppm - STEL/15min = 7,5 mg/m³; 3 ppm - pelle
 MV (SVN) - TWA/8h = 2,5 mg/m³; 1 ppm - STEL/15min = 7,6 mg/m³; 3 ppm - pelle
 WEL (GBR) - TWA/8h = 2,5 mg/m³; 1 ppm - STEL/15min = 7,6 mg/m³; 3 ppm - pelle
 OEL (EU) TWA/8h = 2,5 mg/m³; 1 ppm - STEL/15min = 7,6 mg/m³; 3 ppm - pelle

8.2. Exposure controls: n. a.

Appropriate engineering controls: n. a.

Eye / face protection: Glasses with side protection ("cage" glasses) (EN166).

Hand protection: PVC or neoprene gloves.

Skin protection: Use full protective clothing for chemicals (working-dress, apron).
Protective shoes.

Respiratory protection: Store in a cool, well ventilated area.

Thermal hazards: n. a.

Environmental exposure controls: n. a.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

(a) Appearance: Coloured liquid.

(a) Physical state: Liquid.

(b) Colour: n. a.

(c) Odour: Characteristic.

(c) Odour threshold: n.a.

(d) Melting point: 0 °C

Freezing point: n.a.

(e) Boiling point or initial boiling point and boiling range: > 90 °C

(f) Flammability: n.a.

(g) Lower and upper explosion limit: n.a.

(h) Flash point: > 61 °C

(i) Auto-ignition temperature: n.a.

(j) Decomposition temperature: n.a.

(k) pH: 8.5 - 9.3

(l) Kinematic viscosity: n.a.

(m) Solubility: n.a.

(n) Partition coefficient n-octanol/water (log value): n.a.

(o) Vapour pressure: n.a.

(p) Density and/or relative density: 0.9 - 1.3 g/cm³

(q) Relative vapour density: n.a.

(r) Particle characteristics: n.a.

COV: 1.05 (Dir 1999/13/CE) %

9.2. Other information: n. a.

SECTION 10: Stability and reactivity

No decomposition if correctly used.

10.1. Reactivity: n. a.

10.2. Chemical stability: n. a.

10.3. Possibility of hazardous reactions: n. a.

10.4. Conditions to avoid: Low temperatures (protect from freezing).

10.5. Incompatible materials: n. a.

10.6. Hazardous decomposition products: Combustion can produce carbon oxides, toxic gases and fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects: Following our experience, if handled in a technically correct way and employed under prescriptions, product does not cause harmful effects on health. In case of prolonged action product may cause skin and mucous membranes irritations.

acute toxicity: n. a.

irritation: n. a.

corrosivity: n. a.

sensitisation: n. a.

repeated dose toxicity: n. a.

carcinogenicity: n. a.

mutagenicity: n. a.

toxicity for reproduction: n. a.

Information on likely routes of exposure: n. a.

Symptoms related to the physical, chemical and toxicological characteristics: n. a.

Delayed and immediate effects as well as chronic effects from short and long-term exposure: n. a.

Interactive effects: n. a.

11.2. Information on other hazards: n. a.

SECTION 12: Ecological information

Prevent contamination of soil and surface waters. Avoid dispersion of material into soil, drains or surface waters. Avoid dispersion of residues into drains.

12.1. Toxicity: n. a.

12.2. Persistence and degradability: n. a.

12.3. Bioaccumulative potential: n. a.

12.4. Mobility in soil: n. a.

12.5. Results of PBT and vPvB assessment: This product is not, or does not contain a substance classified as PBT or vPvB.

12.6. Endocrine disrupting properties: n. a.

12.7. Other adverse effects: n. a.

SECTION 13: Disposal considerations

13.1. Waste treatment methods: This material should be incinerated in authorized plants or under controlled conditions. Proceed in conformity with local and national regulation.

SECTION 14: Transport information

This preparation is not classified dangerous according to the international transport regulations.

Land transport: Not classified as dangerous under ADR, RID, USDOT, IMO

Sea transport: Not classified as dangerous under IMDG

Air transport: Not classified as dangerous under IATA/ICAO

SECTION 15: Regulatory information

Information contained in this SDS is based on the present state of our knowledge and on Regulation (EC) No 1907/2006 of the European Parliament and subsequent updates.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture: n. a.

15.2. Chemical safety assessment: Not applicable

SECTION 16: Other information

Modified sections: 3, 8, 9

STIR ACCURATELY BEFORE USE

Full text of H phrases listed in Section 3:

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.

Glossary / List of acronyms

(STOT) RE - Repeated Exposure

(STOT) SE - Single Exposure

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

DNEL - Derived No Effect Level

ECHA - European Chemicals Agency

EINECS - European Inventory of Existing Commercial Substances

GHS - Globally Harmonized System

IATA - International Air Transport Association

ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG - International Maritime Dangerous Goods

Kow - octanol-water partition coefficient

PBT - Persistent, Bioaccumulative and Toxic substance

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail

SDS - Safety data sheet

STOT - Specific Target Organ Toxicity

SVHC - Substances of Very High Concern

UFI - Unique Formula Identifier

vPvB - Very Persistent and Very Bioaccumulative

Users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products' properties.

The information in this Safety Data Sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) regulations.