



## COLOR INK WL BLU 293

### SAFETY DATA SHEET

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

1.1. Product identifier: COLOR INK WL BLU 293

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 EC Directive 67/548/EC

R phrases: 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 2.2. Label elements

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Symbols of danger: N Dangerous for the environment



R phrases: 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases: 29 Do not empty into drains.  
61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Contains: Ethanolamine - Ammonia - Dipropylene Glycol Methyl Ether (substance with community exposure limit) - Violet pigment 27, CI 42535:3

Other applicable information: Safety data sheet available for professional user on request.

2.3. Other hazards: n. a.

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## 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):

CAS	EINECS	Registration n.	Denomination	Content	Classification(*)
34590-94-8	252-104-2	01-2119450011-60	Dipropylene Glycol Methyl Ether (substance with community exposure limit)	1 - 3%	
12237-62-6	235-468-7		Violet pigment 27, CI 42535:3	0.5 - 2.5%	
1336-21-6	215-647-6	01-2119488876-14	Ammonia	0.3 - 0.4%	Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Corr. 1B; H314 STOT SE 3; H335
				Aqua Ac M=1	
141-43-5	205-483-3	01-2119486455-28	Ethanolamine	0.1 - 0.2%	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: Foam, dry chemical powder, carbon dioxide (CO<sub>2</sub>).

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 outpouring, if possible without hazard. Circumscribe the loss and remove it by absorbing on dry sand or other inert materials. Remove any possible source of ignition. Control vapours with spray water. Do not smoke. Avoid contact. If the product has contaminated soil or waters, inform public authorities.

6.1. Personal precautions, protective equipment and emergency procedures: n. a.

6.2. Environmental precautions: n. a.

6.3. Methods and material for containment and cleaning up: n. a.

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.

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: Avoid freeze and radiating heat. No particular storing condition, keep at room temperature.

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 <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethanolamine	1	2,5	3	7,6
Ammonia		35		
Dipropylene Glycol Methyl Ether (substance with community exposure limit)	100	606	150	909

Dipropylene Glycol Methyl Ether (substance with community exposure limit):

AGW - Deu: TWA/8h = 310 mg/m<sup>3</sup>-50 ppm; STEL/15 min : 310 mg/m<sup>3</sup> - 50 ppm  
 MAK - Deu: TWA/8h = 310 mg/m<sup>3</sup>-50 ppm; STEL/15 min : 310 mg/m<sup>3</sup> - 50 ppm

VLA - Esp: TWA/8h = 308 mg/m<sup>3</sup> - 50 ppm (skin)

VLEP - Fra: TWA/8h = 308 mg/m<sup>3</sup> - 50 ppm (skin)

WEL - GRB: TWA/8h = 308 mg/m<sup>3</sup> - 50 ppm (skin)

TLV - Ita: TWA/8h = 308 mg/m<sup>3</sup> - 50 ppm (skin)

OEL - EU: TWA/8h = 308 mg/m<sup>3</sup> - 50 ppm (skin)

DNEL

Long term, local effects, consumer/oral: 1.67 mg/kg

Long term systemic effects, consumer/oral: 36 mg/kg

Long term systemic effects, inhalation, industrial and professional worker: 310 mg/m<sup>3</sup>; consumer: 37.2 mg/m<sup>3</sup> -

Long term systemic effects, dermic, industrial and professional worker: 65 mg/kg;

Consumer: 15 mg/kg -

PNEC

Soft water: 19 mg/l

Sea water: 1.9 mg/l

Soft water sediment: 70.2 mg/kg

Sea water sediment: 7.02 mg/kg

Soil: 2.74 mg/kg

Water (intermittent release): 190 mg/l

Microorganisms in wastewater treatment plant: 4168 mg/l

Ammonia: OEL (EU) TWA/8h = 14 mg/m<sup>3</sup>; 20 ppm - STEL/15 min = 36 mg/m<sup>3</sup>; 50 ppm

DNEL

Exposure: oral, acute systemic effects on workers = 6.8 mg/kg

Exposure: inhalation, effects on workers, acute local = 36 mg/m<sup>3</sup>; acute systemic: 476 mg/m<sup>3</sup>; chronic local=14 mg/m<sup>3</sup>; chronic systemic = 47.6 mg/m<sup>3</sup>

Exposure: dermal, effects on workers, acute systemic=6.8 mg/kg; chronic systemic = 6.8 mg/kg

PNEC

Soft water = 0.0011 mg/kg

Sea water = 0.011 mg/kg

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

**8.2. Exposure controls:** Ensure good ventilation and local exhaustion of the working area, to keep vapours concentration below the limits.

**Appropriate engineering controls:** The plants must be under the existing safety regulations.

**Eye / face protection:** Wear suitable goggles or face protection.

**Hand protection:** Wear suitable gloves during handling.

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

**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:** Almost without smell.

(c) **Odour threshold:** n.a.

(d) **Melting point:** n.a.

**Freezing point:** n.a.

(e) **Boiling point or initial boiling point and boiling range:** n.a.

(f) **Flammability:** n.a.

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

(h) **Flash point:** > 60 °C

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

(j) Decomposition temperature: n.a.  
 (k) pH: 8.5  
 (l) Kinematic viscosity: n.a.  
 Viscosity (Ford Cup): 30 - 40 T.F.4 sec  
 (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 g/cm<sup>3</sup>  
 (q) Relative vapour density: n.a.  
 (r) Particle characteristics: n.a.  
 COV: 0 %  
 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: n. a.  
 10.5. Incompatible materials: n. a.  
 10.6. Hazardous decomposition products: n. a.

## SECTION 11: Toxicological information

11.1. Information on toxicological effects: It can cause allergic reactions at a cutaneous level (dermatitis by contact). The ingestion can provoke disturbances to the gastroenteric system with nausea, vomit and abdominal pains. For inhalation might cause congestion, irritation, cough and breathing difficulties.

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

Product may contaminate the environment. Avoid contamination of soil, drains and surface waters. Do not disperse the material in the environment.

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: n. a.  
12.6. Endocrine disrupting properties: n. a.  
12.7. Other adverse effects: n. a.

## SECTION 13: Disposal considerations

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

## SECTION 14: Transport information

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO for air transport.

14.1. UN number: 3082 - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Violet pigment 27, CI 42535:3)  
14.3. Transport hazard class(es): 9 - Miscellaneous dangerous substances and articles  
14.4. Packing group: III - Substances presenting low danger  
Classification Code (ADR 2.2): M6 - Environmentally hazardous substances, pollutant to the aquatic environment, liquid  
Mixed packing provisions (4.1.10): MP19 - May - in quantities not exceeding 5 litres per inner packaging - be packed together in a combination packaging conforming to 6.1.4.21:  
- with goods of the same class covered by other classification codes or with goods of other classes, when mixed packing is also permitted for these; or  
- with goods which are not subject to the requirements of ADR, provided they do not react dangerously with one another.  
Transport category (1.1.3.6): 3  
Hazard identification No. (5.3.2.3): 90 - environmentally hazardous substance; miscellaneous dangerous substances  
14.5. Environmental hazards: n. a.  
Marine pollutant: Yes  
14.6. Special precautions for user: n. a.

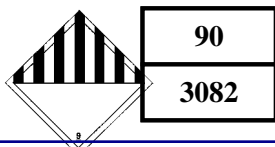
14.7. Transport in bulk according  
to Annex II of MARPOL73/78  
and the IBC Code:

IMDG Page:

IMDG EMS: F-A,S-F

IMDG MFAG:

Danger labels:



## 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:

15.2. Chemical safety assessment:

## SECTION 16: Other information

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.
- H400 Very toxic to aquatic life.

### 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.