

## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name : WASHABLE BEROL COLORINK INK - VIOLET  
Product code : DS VIO 23W.

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Ink for BEROL: Color Fine, Color Broad

#### 1.3. Details of the supplier of the safety data sheet

Registered company name : Newell Rubbermaid UK Limited.  
Address : Halifax Ave - Fradley Park .WS 13 8SS.Lichfield Staffordshire.United Kingdom.  
Telephone : +44 (0) 1543447001. Fax : .  
Aftersales.SERVICE@newellco.com  
www.newellrubbermaid.com

#### 1.4. Emergency telephone number : 0845 4647.

Association/Organisation : National Poisons Information Service.

### SECTION 2 : HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### 2.2. Label elements

##### In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

No labelling requirements for this mixture.

Risk phrase :

Safety data sheet available for professional user on request.

#### 2.3. Other hazards

No data available.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

#### 3.2. Mixtures

##### Composition :

Identification	(EC) 1272/2008	67/548/EEC	Note	%
CAS: 57-55-6 EC: 200-338-0	MONOPROPYLENE GLYCOL		10 <= x % < 25	
CAS: 56-81-5 EC: 200-289-5	GLYCERIN		2.5 <= x % < 10	

CAS: 81-88-9	C.I. BASIC VIOLET 10	GHS07, GHS05, Dgr Xn H:302-318 R: 41-22	2.5 <= x % < 10
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#### SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

##### 4.1. Description of first aid measures

###### In the event of swallowing :

Seek medical attention, showing the label.

##### 4.2. Most important symptoms and effects, both acute and delayed

No data available.

##### 4.3. Indication of any immediate medical attention and special treatment needed

No data available.

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#### SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

##### 5.1. Extinguishing media

##### 5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

##### 5.3. Advice for firefighters

No data available.

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#### SECTION 6 : ACCIDENTAL RELEASE MEASURES

##### 6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

###### For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

##### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

##### 6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

##### 6.4. Reference to other sections

No data available.

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#### SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

##### 7.1. Precautions for safe handling

Always wash hands after handling.

**Fire prevention :**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

**7.2. Conditions for safe storage, including any incompatibilities**

No data available.

**Packaging**

Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**

No data available.

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**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Occupational exposure limits :**

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
56-81-5	10 mg/m3	-	-	-	-

- France (INRS - ED984 :2008) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
56-81-5	-	10	-	-	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
57-55-6	150 ppm	-	-	-	-
56-81-5	10 mg/m3	-	-	-	-

**8.2. Exposure controls**

**Personal protection measures, such as personal protective equipment**

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

**- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

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## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

#### General information :

Physical state : fluid liquid.

#### Important health, safety and environmental information

pH : Not relevant.  
Boiling point/boiling range : not relevant.  
Flash point interval : not relevant.  
Vapour pressure : Below 110 kPa (1.10 bar).  
Density : 1.07 - 1.10  
Water solubility : Soluble.  
Viscosity : 3.0 - 4.0 cps  
Melting point/melting range : not relevant.  
Self-ignition temperature : not relevant.  
Decomposition point/decomposition range : not relevant.

### 9.2. Other information

No data available.

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## SECTION 10 : STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

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## SECTION 11 : TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

No data available.

#### 11.1.1. Substances

##### Acute toxicity :

C.I. BASIC VIOLET 10 (CAS: 81-88-9)	
Oral route :	DL50 = 887 mg/kg Species : Mouse
GLYCERIN (CAS: 56-81-5)	
Oral route :	DL50 > 12600 mg/kg Species : Rat
Dermal route :	DL50 > 1000 mg/kg

Species : Rabbit

MONOPROPYLENE GLYCOL (CAS: 57-55-6)

Oral route : DL50 = 20000 mg/kg  
Species : Rat

Dermal route : DL50 = 20800 mg/kg  
Species : Rabbit

### 11.1.2. Mixture

No toxicological data available for the mixture.

### Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 81-88-9 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

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## SECTION 12 : ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Substances

Substances classified as category 1 acute toxicity :

C.I. BASIC VIOLET 10 (CAS: 81-88-9)

Fish toxicity : Duration of exposure : 96 h  
CL50 = 217 mg/l  
Species : Oncorhynchus mykiss

Crustacean toxicity : Duration of exposure : 48 h  
CE50 = 22.9 mg/l  
Species : Daphnia magna

GLYCERIN (CAS: 56-81-5)

Fish toxicity : Duration of exposure : 96 h  
CL50 = 54000 mg/l  
Species : Oncorhynchus mykiss

Crustacean toxicity : Duration of exposure : 48 h  
CE50 > 10000 mg/l  
Species : Daphnia magna

Algae toxicity : Duration of exposure : 72 h  
CEr50 > 2900 mg/l

MONOPROPYLENE GLYCOL (CAS: 57-55-6)

Fish toxicity : Duration of exposure : 96 h  
CL50 > 4600 mg/l

Crustacean toxicity : Duration of exposure : 48 h  
CE50 4850 mg/l

#### 12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

### 12.2. Persistence and degradability

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

No data available.

**German regulations concerning the classification of hazards for water (WGK) :**

WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

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**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

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**SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2011 - IMDG 2010 - ICAO/IATA 2012).

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**SECTION 15 : REGULATORY INFORMATION**

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

**- Particular provisions :**

No data available.

**- German regulations concerning the classification of hazards for water (WGK) :**

Germany : WGK 1 (VwVwS vom 27/07/2005, KBws)

**15.2. Chemical safety assessment**

No data available.

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**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Title for H, EUH and R indications mentioned in section 3 :**

H302	Harmful if swallowed.
H318	Causes serious eye damage.
R 22	Harmful if swallowed.
R 41	Risk of serious damage to eyes.

**Abbreviations :**

ADR : European agreement concerning the international carriage of dangerous goods by Road.  
IMDG : International Maritime Dangerous Goods.  
IATA : International Air Transport Association.  
ICAO : International Civil Aviation Organisation  
RID : Regulations concerning the International carriage of Dangerous goods by rail.  
WGK : Wassergefährdungsklasse (Water Hazard Class).