

## 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 : INK PERMACHROME 04 GREEN  
Product code : PR4006.

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

Ink for SHARPIE: Fine, Ultrafine, Chisel, Twin Tip, Mini, RT, Pro Small Bullet Tip, Pro Small Chisel Tip

#### 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.

Flammable (R 10).  
Skin irritation (Xi, R 38).  
Serious eye damage (Xi, R 41).  
Irritant for the respiratory tract (Xi, R 37).  
Vapours may cause drowsiness and dizziness (R 67).  
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.

Hazard symbols :



Irritant

Flammable

Contains :

603-003-00-0 PROPAN-1-OL

Risk phrase :

R 37/38

Irritating to respiratory system and skin.

R 10

Flammable.

R 41

Risk of serious damage to eyes.

R 67

Vapours may cause drowsiness and dizziness.

Safety phrase :

S 26

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

S 36/39	Wear suitable protective clothing and eye/face protection.
S 45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 37	Wear suitable gloves.
S 60	This material and its container must be disposed of as hazardous waste.
S 7	Keep container tightly closed.
S 24	Avoid contact with skin.

**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	Name	Classification	%
INDEX: 603-003-00-0 CAS: 71-23-8 EC: 200-746-9	PROPAN-1-OL	GHS02, GHS05, GHS07, Dgr Xi,F H:225-318-336 R: 11-41-67	25 <= x % < 50
INDEX: 603-004-00-6 CAS: 71-36-3 EC: 200-751-6	N-BUTANOL	GHS02, GHS05, GHS07, Dgr Xn H:226-302-335-315-318-336 R: 10-37/38-41-67-22	10 <= x % < 25
INDEX: 603-016-00-1 CAS: 123-42-2 EC: 204-626-7	DIACETONE ALCOHOL	GHS07, Wng Xi H:319 R: 36	10 <= x % < 25
CAS: 94277-77-7 EC: 304-661-9	C.I. SOLVENT BLUE 70	H:412 R: 52/53	2.5 <= x % < 10
CAS: 6358-36-7	C.I. BASIC YELLOW 37	GHS07, Wng Xi H:315-319-335 R: 36/37/38	0 <= x % < 2.5
CAS: 98-54-4 EC: 202-679-0	P-TERTBUTYLPHENOL	GHS07, GHS05, GHS09, Dgr Xi,N H:315-318-335-411 R: 37/38-41-51/53	0 <= x % < 2.5

**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 exposure by inhalation :**

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If breathed in, move person into fresh air. If not breathing give artificial respiration. Get medical attention if necessary

**In the event of splashes or contact with eyes :**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

**In the event of splashes or contact with skin :**

Remove contaminated clothing and wash the skin thoroughly with soap and water.

**In the event of swallowing :**

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show 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**

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

**5.1. Extinguishing media**

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Water is not generally recommended since it can be ineffective; however, it can be used successfully to cool containers exposed to the fire and to disperse fumes.

**Suitable methods of extinction**

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO<sub>2</sub>)
- Special foams for polar liquids (known as alcohol resistant)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Do not use compressed air during filling, emptying or handling.

**Unsuitable methods of extinction**

In the event of a fire, do not use :

- water jet

**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**

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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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 non fire-fighters

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid any contact with the skin and eyes.

#### 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.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

#### Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged : always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

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.

Avoid eye contact with this mixture at all times.

Packages which have been opened must be reclosed carefully and stored in an upright position.

#### 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.

### Storage

Keep the container tightly closed in a dry, well-ventilated place  
Keep away from all sources of ignition - do not smoke.  
Keep well away from all sources of ignition, heat and direct sunlight  
Avoid accumulation of electrostatic charges.  
The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

### 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 :
71-23-8	200 ppm	400 ppm	-	-	-
71-36-3	20 ppm	-	-	-	-
123-42-2	50 ppm	-	-	-	-

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

CAS	VME :	VME :	Excess	Notes
71-36-3	100 ml/m3	310 mg/m3	1(I)	DFG, Y
123-42-2	20 ml/m3	96 mg/m3	2(I)	DFG, H
98-54-4	0,08 ml/m3	0,5 mg/m3	2(II)	DFG, H

- France (INRS - ED984 :2008) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
71-23-8	200	500	-	-	-	84
71-36-3	-	-	50	150	-	84
123-42-2	50	240	-	-	-	84

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8	200 ppm	250 ppm	-	-	-
71-36-3	-	50 ppm	-	-	-
123-42-2	50 ppm	75 ppm	-	-	-

### 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 with protective sides accordance with standard EN166.  
In the event of high danger, protect the face with a face shield.  
Prescription glasses are not considered as protection.  
Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

**- Hand protection**

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

Recommended properties :

- Impervious gloves in accordance with standard EN374

**- Body protection**

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

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.

**- Respiratory protection**

Avoid breathing vapours.

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

- AX (Brown)

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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 specified.

Flash Point : 22.80 °C.

Vapour pressure : Below 110 kPa (1.10 bar).

Density : not stated.

Water solubility : Insoluble.

Melting point/melting range : not specified.

Self-ignition temperature : not specified.

Decomposition point/decomposition range : not specified.

**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

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

### 10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

### 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

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

Narcotic effects may occur, such as drowsiness, narcosis, decreased alertness, loss of reflexes, lack of coordination or dizziness.

Effects may also occur in the form of violent headaches or nausea, judgement disorder, giddiness, irritability, fatigue or memory disturbance.

#### 11.1.1. Substances

##### Acute toxicity :

P-TERTBUTYLPHENOL (CAS: 98-54-4)

Oral route :

DL50 > 2000 mg/kg  
OECD Guideline 401 (Acute Oral Toxicity)  
Species : Rat (recommended by the CLP)

Dermal route :

DL50 > 2000 mg/kg  
Species : Rabbit (recommended by the CLP)

C.I. BASIC YELLOW 37 (CAS: 6358-36-7)

Oral route :

DL50 = 3160 mg/kg  
Species : Rat

C.I. SOLVENT BLUE 70 (CAS: 94277-77-7)

Oral route :

DL50 > 5000 mg/kg  
Species : Rat (recommended by the CLP)

### 11.1.2. Mixture

No toxicological data available for the mixture.

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## SECTION 12 : ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Substances

Substances classified as category 1 acute toxicity :

P-TERTBUTYLPHENOL (CAS: 98-54-4)

Fish toxicity :

Duration of exposure : 96 h  
CL50 < 10 mg/l  
Species : Pimephales promelas

Crustacean toxicity :

Duration of exposure : 48 h  
CE50 < 10 mg/l  
Species : Daphnia magna  
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity :

Duration of exposure : 72 h  
CEr50 > 10 mg/l  
Species : Selenastrum capricornutum

C.I. BASIC YELLOW 37 (CAS: 6358-36-7)

Fish toxicity :

Duration of exposure : 96 h  
CL50 < 10 mg/l

C.I. SOLVENT BLUE 70 (CAS: 94277-77-7)

Fish toxicity :

Duration of exposure : 96 h  
CL50 <= 100 mg/l  
Species : Brachydanio rerio

Crustacean toxicity :

Duration of exposure : 48 h  
CE50 = 65.3 mg/l  
Species : Daphnia magna  
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

#### 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.

**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.

**Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :**

08 01 13 \* sludges from paint or varnish containing organic solvents or other dangerous substances

**SECTION 14 : TRANSPORT INFORMATION**

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).

**14.1. UN number**

1993

**14.2. UN proper shipping name**

UN1993=FLAMMABLE LIQUID, N.O.S.

**14.3. Transport hazard class(es)**

- Classification :



3

**14.4. Packing group**

III

**14.5. Environmental hazards**

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**14.6. Special precautions for user**

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	III	3	30	5 L	274 601 640EE	E1	3	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	3	-	III	5 L	F-E,S-E	223 274 955	E1

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	355	60 L	366	220 L	A3	E1
	3	-	III	Y344	10 L	-	-	A3	E1

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

No data available.

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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 :

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
R 10	Flammable.
R 11	Highly flammable.
R 22	Harmful if swallowed.
R 36	Irritating to eyes.
R 36/37/38	Irritating to eyes, respiratory system and skin.
R 37/38	Irritating to respiratory system and skin.
R 41	Risk of serious damage to eyes.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 67	Vapours may cause drowsiness and dizziness.

#### 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).