

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 01 BLACK
Product code: PR1006.

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

SHARPIE : Super, Fine, Super twin tip, Twin tip, Metal Magnum, Metal King size

1.3. Details of the supplier of the safety data sheet

Registered company name: Sanford Ecriture SAS.
Address: 122 avenue du général Leclerc. Immeuble Le Cristallin.92100.Boulogne Billancourt.FRANCE.
Telephone: +33 (0)1 46 84 42 70. Fax: +33 (0)1 46 84 42 71.
Aftersales.SERVICE@newellco.com

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation: INRS / ORFILA <http://www.centres-antipoison.net>.

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.

Highly flammable.

Possibility of serious lesions to the eyes.

Vapors may cause drowsiness and dizziness.

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



Highly flammable

Contains:

603-003-00-0

PROPAN-1-OL

603-004-00-6

N-BUTANOL

Risk phrase:

R 11

Highly flammable.

R 41

Risk of serious damage to eyes.

R 67

Vapours may cause drowsiness and dizziness.

Safety phrase:

S 1/2

Keep locked up and out of the reach of children.

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 46

If swallowed, seek medical advice immediately and show this container or label.

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: 467-63-0 | C.I. SOLVENT VIOLET 9 | Xn R: 22 | 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 water and soap.

In the event of swallowing:

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

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.

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:

- water with AFFF (Aqueous Film Forming Foam) additive

- multipurpose ABC powder
 - BC powder
 - carbon dioxide (CO₂)
 - Special foams for polar liquids (known as alcohol resistant)
- Prevent the effluent of fire-fighting measures from entering drains or waterways.

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 (CO₂)
- sulphur dioxide (SO₂)

5.3. Advice for firefighters

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

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.

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.

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

Fire prevention:

Handle in well-ventilated areas.

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

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 out of reach of children

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.

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 |

- France (INRS - ED984:2007 and French Order of 30/06/2004):

| 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

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.

- Hand protection

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

- Respiratory protection

Avoid breathing vapours

If the ventilation is insufficient, wear appropriate breathing apparatus.

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 of the substance or preparation: not relevant.

The pH is impossible to measure or its value is not relevant.

Boiling point/boiling range: > 35°C

Flash point interval: not relevant.

Flash Point: 11.10 °C.

Vapour pressure: Below 110 kPa (1.10 bar).

Density: not stated.

Water solubility: Insoluble.

Viscosity: $\nu < 7 \text{ mm}^2/\text{s}$ (40°C)

Melting point/melting range: not specified.

Self-ignition temperature: not specified.

Decomposition point/decomposition range : not specified.

9.2. Other information

No data available.

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 (CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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.

Splashes in the eyes may cause irritation and reversible damage

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.

Acute toxicity:

CAS: 467-63-0

C.I. SOLVENT VIOLET 9

Oral route:

DL50 > 5000 mg/kg

Species: Rat (recommended by the CLP)

Mixture

No toxicological data available for the mixture.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Substances

No aquatic toxicity data available for the substances.

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 2011).

- Classification:



UN1993=FLAMMABLE LIQUID, N.O.S.
 (propan-1-ol)

| ADR/RID | Class | Code | Pack gr. | Label | Ident. | LQ | Provis. | EQ | Cat. | Tunnel |
|---------|-------|------|----------|-------|--------|-----|---------------|----|------|--------|
| | 3 | F1 | II | 3 | 33 | 1 L | 274 601 640DC | E2 | 2 | D/E |

| IMDG | Class | 2°Label | Pack gr. | LQ | EMS | Provis. | EQ |
|------|-------|---------|----------|-----|---------|---------|----|
| | 3 | - | II | 1 L | F-E,S-E | 274 | E2 |

| IATA | Class | 2°Label | Pack gr. | Passager | Passager | Cargo | Cargo | note | EQ |
|------|-------|---------|----------|----------|----------|-------|-------|------|----|
| | 3 | - | II | 353 | 5 L | 364 | 60 L | A3 | E2 |
| | 3 | - | II | Y341 | 1 L | - | - | A3 | E2 |

SECTION 15: REGULATORY INFORMATION

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

The mixture is contained in packaging that does not exceed 125 ml.

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

- Particular provisions:

No data available.

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

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

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):

NFPA 704, Labelling: Health=3 Inflammability=3 Instability/Reactivity=1 Specific Risk=none



15.2. Chemical safety assessment

No data available.

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. |
| R 10 | Flammable. |
| R 11 | Highly flammable. |
| R 22 | Harmful if swallowed. |
| R 36 | Irritating to eyes. |
| R 37/38 | Irritating to respiratory system and skin. |
| R 41 | Risk of serious damage to eyes. |
| 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).