

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Stamping ink PO-S-EG black  
Revision date : 01-08-2017  
Print date : 01-08-2017

Version (Revision) : 14.0.0 (13.0.0)

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

### 1.1 Product identifier

Stamping ink PO-S-EG  
black

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

#### Relevant identified uses

Industrial marking ink

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

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Multimark

Street : Everdenberg 81

Postal code/city : 4902TT

Telephone : +31 162 457979

Telefax : +31 162 451500

Information contact : E-Mail: info@multimark.nl

### 1.4 Emergency telephone number

+31 162 45 79 79

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Category 3 ; Harmful to aquatic life with long lasting effects.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2A ; Causes serious eye irritation.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard pictograms



Flame (GHS02) · Exclamation mark (GHS07)

##### Signal word

Warning

##### Hazard components for labelling

Mixture of: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE and 2- METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9

##### Hazard statements

H226 Flammable liquid and vapour.

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H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

### Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P235	Store in a well-ventilated place. Keep cool.

### 2.3 Other hazards

None

## SECTION 3: Composition / information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

ACIDUM TANNICUM TANNIN ; EC No. : 215-753-2; CAS No. : 1401-55-4

Weight fraction : < 15 %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

ETHANOL ; EC No. : 200-578-6; CAS No. : 64-17-5

Weight fraction : < 5 %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319

C.I.BASIC GREEN 4; C.I. 42000 ; EC No. : 241-922-5; CAS No. : 18015-76-4

Weight fraction : < 3 %

Classification 1272/2008 [CLP] : Acute Tox. 3 ; H311 Repr. 2 ; H361d Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

BRONOPOL (INN) ; EC No. : 200-143-0; CAS No. : 52-51-7

Weight fraction : < 0,5 %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Skin Irrit. 2 ; H315 STOT SE 3 ; H335 Aquatic Acute 1 ; H400

Mixture of: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE and 2- METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9

Weight fraction : < 0,06 %

Classification 1272/2008 [CLP] : Acute Tox. 3 ; H301 Acute Tox. 3 ; H311 Acute Tox. 3 ; H331 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

#### Additional information

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Immediately remove all contaminated clothing.

#### Following inhalation

Provide fresh air.

#### In case of skin contact

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Wash away with soap and water and rinse.

### After eye contact

Flush with plenty of water (10 - 15 min.). Call a physician.

### After ingestion

Drink plenty of water.

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

No information available.

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam , Carbon dioxide (CO<sub>2</sub>) , Extinguishing powder or Water spray jet .

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

None

### 5.3 Advice for firefighters

None

### 5.4 Additional information

Cool endangered containers with water in case of fire.

## SECTION 6: Accidental release measures

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

Keep away from ignition sources on account of the organic solvent content and air room well. Do not inhale vapours.

### 6.2 Environmental precautions

Take up with a liquid absorbing material and proceed according to the waste disposal regulations. Do not allow to enter into surface water or drains.

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

#### For cleaning up

Remove mechanically, take-up residues with absorbing material.

### 6.4 Reference to other sections

None

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Normal precautions taken when handling chemicals should be observed. Only use in locations with adequate suction ventilation.

#### Protective measures

##### Measures to prevent fire

Take precautionary measures against static discharges. Keep away from sources of ignition. - No smoking.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Do not leave vessels open, earth storage containers.

#### Hints on joint storage

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Store the foodstuffs separately. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

**Storage class :** 3  
**Storage class (TRGS 510) :** 3

### Further information on storage conditions

Store containers tightly closed in a cool well ventilated place.

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

ETHANOL ; CAS No. : 64-17-5

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 500 ppm / 960 mg/m<sup>3</sup>  
Peak limitation : 2(II)  
Remark : Y  
Version : 02.04.2014

2-(2-ETHOXYETHOXY)ETHANOL ; CAS No. : 111-90-0

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 6 ppm / 35 mg/m<sup>3</sup>  
Peak limitation : 2(I)  
Remark : Y  
Version : 02.04.2014

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

Use tightly fitting safety glasses.

##### Skin protection

###### Hand protection

Use protective butyl rubber gloves (0,5 mm). Permeation time of glove material: level >= 240 min (4h) EN374

#### General health and safety measures

The usual precautionary measures for the handling of chemicals have to be observed.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Colour :** black

**Odour :** characteristic

#### Safety relevant basis data

<b>Physical state :</b>			liquid	
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	ca.	113 °C	
<b>Flash point :</b>		ca.	36 °C	Brookfield
<b>Vapour pressure :</b>	( 50 °C )	<	1100 hPa	
<b>Density :</b>	( 20 °C )	ca.	1,18 g/cm <sup>3</sup>	
<b>Solvent separation test :</b>	( 20 °C )	<	3 %	
<b>pH :</b>		ca.	2,3	
<b>Flow time :</b>	( 20 °C )	ca.	18 s	DIN-cup 4 mm

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### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

No information available.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

None, if handled according to order.

### 10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. In connection with inorganic and organic acids, acid chlorides violent reactions can take place and CO<sub>2</sub> released. Formation of hydrogen by acids, lyes, moisture possible.

### 10.6 Hazardous decomposition products

No information available.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

Parameter : LD50 ( C.I.BASIC GREEN 4; C.I. 42000 ; CAS No. : 18015-76-4)  
Exposure route : Oral  
Species : Rat  
Effective dose : 275 mg/kg

##### Acute dermal toxicity

Parameter : LD50 ( ETHANOL ; CAS No. : 64-17-5)  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 20 g/kg  
Parameter : LD50 ( BRONOPOL (INN) ; CAS No. : 52-51-7)  
Exposure route : Dermal  
Species : Rat  
Effective dose : ca. 1600 mg/kg

##### Acute inhalation toxicity

Parameter : LD50 ( BRONOPOL (INN) ; CAS No. : 52-51-7)  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 588 mg/kg

##### Practical experience/human evidence

Slight narcotic effect. Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea.

#### Irritant and corrosive effects

##### Irritation to eyes

Parameter : Irritation to eyes ( C.I.BASIC GREEN 4; C.I. 42000 ; CAS No. : 18015-76-4)  
Species : Rabbit

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter : LC50 ( C.I.BASIC GREEN 4; C.I. 42000 ; CAS No. : 18015-76-4)  
Species : Brachydanio rerio (zebra-fish)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 0,1 - 1 mg/l  
Exposure time : 96 h

##### Acute (short-term) daphnia toxicity

Parameter : EC50 ( C.I.BASIC GREEN 4; C.I. 42000 ; CAS No. : 18015-76-4)  
Species : Daphnia magna (Big water flea)  
Effective dose : 0,1 - 1 mg/l

##### Bacteria toxicity

Parameter : Bacteria toxicity ( C.I.BASIC GREEN 4; C.I. 42000 ; CAS No. : 18015-76-4)  
Species : Bacteria toxicity  
Evaluation parameter : Bacteria toxicity  
Effective dose : 10 - 100 mg/l  
Evaluation : Bacteria toxicity  
Method : OECD 209

#### Sediment toxicity

##### Toxicity to soil macroorganisms

##### Acute earthworm toxicity

##### Chronical earthworm toxicity (reproduction)

##### Long-term toxicity of organisms living in the sediment

#### Effects in sewage plants

Parameter : Effects in sewage plants ( C.I.BASIC GREEN 4; C.I. 42000 ; CAS No. : 18015-76-4)  
Inoculum : Activated sludge  
Evaluation : Effects in sewage plants  
Method : OECD 209

### 12.2 Persistence and degradability

In case of appropriate conduction into adapted biological purification plants no disturbances have to be expected.

#### Abiotic degradation

##### Abiotic degradation in Water

##### Hydrolysis

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

### 12.7 Additional ecotoxicological information

Do not empty into waters or drains.

## SECTION 13: Disposal considerations

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## 13.1 Waste treatment methods

Dispose according to legislation.

### Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV  
- 080111

### Waste treatment options

#### Appropriate disposal / Package

Contaminated packaging must be emptied of all residues and following appropriate cleaning, should be sent to a recycling plant. (Waste code 080112 contains no org. solvents). Uncleaned packaging must be disposed of in the same manner as the medium. (Waste code 150110)

## SECTION 14: Transport information

### 14.1 UN number

UN 1263

### 14.2 UN proper shipping name

Land transport (ADR/RID)

PAINT RELATED MATERIAL

Sea transport (IMDG)

PAINT RELATED MATERIAL

Air transport (ICAO-TI / IATA-DGR)

PAINT RELATED MATERIAL

### 14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 3  
Classification code : F1  
Hazard identification number (Kemler No.) : 30  
Tunnel restriction code : D/E  
Special provisions : 640E · LQ 7 · LQ 5 I · E 1  
Hazard label(s) : 3

Sea transport (IMDG)

Class(es) : 3  
EmS-No. : F-E / ~~S-E~~  
Special provisions : LQ 5 I · E 1  
Hazard label(s) : 3

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 3  
Special provisions : E 1  
Hazard label(s) : 3

### 14.4 Packing group

III

### 14.5 Environmental hazards

Land transport (ADR/RID) : No

Sea transport (IMDG) : No

Air transport (ICAO-TI / IATA-DGR) : No

### 14.6 Special precautions for user

None

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## SECTION 15: Regulatory information

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

#### National regulations

##### Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

##### Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVwS

#### Other regulations, restrictions and prohibition regulations

##### Betriebssicherheitsverordnung (BetrSichV)

No flammable liquid according to BetrSichV.

### 15.2 Chemical Safety Assessment

No information available.

## SECTION 16: Other information

### 16.1 Indication of changes

03. Hazardous ingredients

### 16.2 Abbreviations and acronyms

None

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

No information available.

### 16.5 Relevant H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled.
H302	Harmful if swallowed.
H302+H312	Harmful if swallowed or in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### 16.6 Training advice

None

### 16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day



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knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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