

610 - Stainless Steel Pen

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This Declaration of Compliance Statement document is appropriate for the following products:

Product Code	Description
610	Stainless Steel Pen

SUMMARY

The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

Serial No.	Steel Mark	Size (mm)	Chemical Composition %									
			C	SI	Mn	P	S	Ni	Cr	Mo	Cu	Pb
1	304	2. 65*1220	0.078	0.95	1.98	0.039	0.024	8.09	18.12		-	-
Heat No	Weight	Delivery Status	Tensile Strength								Hardness Value	
			Tensile Strength		Yield Strength		Elongation		Yield Extended			
6	12236kg	2B	465								165	

Regulations and standards:

This statement refers to the Products manufactured by Detectamet in stainless Steel (304 grade) for direct contact

AISI Designation	European Standard Designation	
	Name	Number
304 (Austenitic)	X5CrNi18-10	1.4301

with food.

We confirm that the above-mentioned products are suitable for use in contact with all food types under and condition of use and are in conformity with the applicable requirements of the following regulations and standards:

- Regulation (EC) no. 1935.2004 on Material and Articles intended to come into contact with food.
- Specific metals release limits of council of Europe (COE) resolution CM/Res (2013) 9 on metals and alloys used in food contact materials.

Manufacture of these products is under quality control procedures meeting the requirements of regulation (EC) no. 2023/2006 on good manufacturing practise for materials and articles intended to come into contact with food.

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Blue ball pen ink(Dark blue)
- **Registration number:** Not available.
- **Application of the substance / the preparation:** Writing.

2 Hazards identification

- **Hazard description:**



Xn Harmful
N Dangerous for the environment

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 22 Harmful if swallowed.

R 36 Irritating to eyes.

R 40 Limited evidence of a carcinogenic effect.

R 43 May cause sensitisation by skin contact.

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

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**

- **Description:**

Mixture of substances listed below with nonhazardous additions. For the wording of the listed risk phrases refer

- **Dangerous components:**

CAS: 122-99-6 EINECS: 204-589-7 Index number: 603-098-00-9	2-Phenoxyethanol Xn, Xi; R 22-36	22,0%
CAS: 100-51-6 EINECS: 202-859-9 Index number: 603-057-00-5	Benzyl alcohol Xn, Xi; R 20/22-43	20,0%
CAS: 548-62-9 EINECS: 208-953-6 Index number: 612-204-00-2	C.I. Basic Violet 3 Carc. Cat. 3; Xn, Xi, N; R 22-40-41-50/53	7,0%
CAS: 2580-56-5 EINECS: 219-943-6	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride Xn; R 22	6,0%

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· Non-dangerous component:		
CAS: 25054-06-2	Formaldehyde, polymer with cyclohexanone	20,0%
CAS: 61788-97-4	Epoxy resins	10,0%
CAS: 147-14-8 EINECS: 205-685-1	29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	8,0%
CAS: 57-55-6 EINECS: 200-338-0	propane-1,2-diol	6,0%
CAS: 102-71-6 EINECS: 203-049-8	2,2',2"-nitrilotriethanol	1,0%

· Remark:

[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl] methylene]cyclohexa-2,5-dien-1 ylidene dimethylammonium chloride(CAS NO.2580-56-5)
Synonym:C.I Pigment blue 26

Formaldehyde, polymer with cyclohexanone(CAS NO.25054-06-2) Note:Ketonic resin used in the product

29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper(CAS NO. 147-14-8)
Synonym:Phthalocyanine blue

Propane-1,2-diol(CAS NO.57-55-6)
Synonym: 1,2-Propanediol

2,2',2"-nitrilotriethanol(CAS NO. 102-71-6)
Synonym: Tris(hydroxyethyl)amine

4 First aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: Call for a doctor immediately.

5 Fire-fighting measures

· Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

· Protective equipment:

Wear self-contained respiratory protective device. Do

not inhale explosion gases or combustion gases.

Wear fully protective suit.

6 Accidental release measures

· Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Mount respiratory protective device.

Ensure adequate ventilation.

Avoid to contact with eyes and skin.

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· **Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

7 Handling and storage

· **Handling**

· **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Keep receptacles tightly sealed.

Open and handle receptacle with care.

Keep away from heat and direct sunlight.

Avoid to contact with eyes and skin.

· **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Store only in the original receptacle.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from water.

Do not store together with oxidizing and acidic materials. Do

not store together with textiles.

· **Further information about storage conditions:**

Keep container tightly sealed.

Store receptacle in a well ventilated area.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

100-51-6 Benzyl alcohol (20,0%)	
WEEL (USA)	44 mg/m ³ , 10 ppm
548-62-9 C.I. Basic Violet 3 (7,0%)	
LD50 (EU)	Short-term value: 420 mg/m ³
57-55-6 propane-1,2-diol (6,0%)	
WEL (Great Britain)	474* 10** mg/m ³ , 150* ppm
WEEL (USA)	*total vapour and particulates **particulates 10 mg/m ³
102-71-6 2,2',2''-nitrilotriethanol (1,0%)	
TLV (USA)	5 mg/m ³

· **DNELs:** Not available.

· **PNECs:** Not available.

· **Additional information:** The lists valid during the making were used as basis.

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- **Personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

· General Information	
Form: Colour: Odour:	Gel Dark blue Weak, characteristic
· Change in condition: Melting point/Melting range: Boiling point/Boiling range:	Not available. Not available.
· Flash point:	Not available.
· Flammability (solid, gaseous):	Not available.
· Ignition temperature:	Not available.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits: Lower: Upper: · Oxidizing properties:	Not available. Not available. Not available.

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- **Vapour pressure:** Not available.
- **Density:** 1,08 g/cm³
- **Relative density:** Not available.
- **Vapour density:** Not available.
- **Evaporation rate:** Not available.
- **Solubility in / Miscibility with:**
 water: Soluble in alcohol.
- **pH-value:** 6-8
- **Segregation coefficient (n-octanol/water):** Not available.
- **Viscosity:**
 Dynamic at 25°C: 6000 mPas

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· Acute

· LD/LC50 values relevant for classification:

122-99-6 2-Phenoxyethanol		
Oral	LD50	1260 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)
100-51-6 Benzyl alcohol		
Oral	LD50	1230 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
548-62-9 C.I. Basic Violet 3		
Oral	LD50	420 mg/kg (rat)
57-55-6 propane-1,2-diol		
Oral	LD50	2000 mg/kg (rat)
Dermal	LD50	20800 mg/kg (rabbit)
102-71-6 2,2',2"-nitrilotriethanol		
Oral	LD50	8000 mg/kg (rat)

- **Primary irritant effect**
- **on the skin:** Irritating effects possible.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant
- **Toxicokinetics, metabolism and distribution:** Not available.
- **Acute effects (acute toxicity, irritation and corrosivity):** Not available.
- **Sensitisation:** May cause sensitisation by skin contact.
- **Repeated dose toxicity:** Not available.

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- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):** Not available.

12 Ecological information

- **Information about elimination (persistence and degradability):** Not available.
- **Behaviour in environmental systems**
- **Mobility and bioaccumulation potential:** Not available.
- **Ecotoxical effects**
- **Aquatic toxicity:** Not available.
- **Remark:** Toxic for fish
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground. Also
poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
- **PBT assessments:** Not available.

13 Disposal considerations

- **Product**
- **Recommendation:**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 6.1 Toxic substances.
- **Danger code (Kemler):** 60
- **UN-Number:** 2810
- **Packaging group:** III
- **Hazard label:** 6.1
- **Special marking:** Symbol (fish and tree)
- **Description of goods:** 2810 TOXIC LIQUID, ORGANIC, N.O.S. (2-Phenoxyethanol, Benzyl alcohol)
- **Limited quantities (LQ):** LQ7
- **Transport category:** 2
- **Tunnel restriction code:** E

- **Maritime transport IMDG**



- **IMDG Class:** 6.1
- **UN Number:** 2810
- **Label:** 6.1
- **Packaging group:** III

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Trade name: Blue ball pen ink(Dark blue)

- **EMS Number:** F-A,S-A
- **Marine pollutant:** Yes
Symbol (fish and tree)
- **Proper shipping name:** TOXIC LIQUID, ORGANIC, N.O.S. (2-Phenoxyethanol, Benzyl alcohol)

- **Air transport ICAO-TI and IATA-DGR**



- **ICAO/IATA Class:** 6.1
- **UN/ID Number:** 2810
- **Label:** 6.1
- **Packaging group:** III
- **Proper shipping name:** TOXIC LIQUID, ORGANIC, N.O.S. (2-Phenoxyethanol, Benzyl alcohol)
- **Environmental hazards:** Product contains environmentally hazardous substances: C.I. Basic Violet 3

15 Regulatory information

- **sera**
- **Section 355(extremely hazardous substances):**
None of the ingredients is listed.
- **Section 313(Specific toxic chemical listings):**
None of the ingredients is listed.
- **TSCA(Toxic Substances Control Act):**
 - 122-99-6 2-Phenoxyethanol
 - 100-51-6 Benzyl alcohol
 - 25054-06-2 Formaldehyde, polymer with cyclohexanone
 - 147-14-8 29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper
 - 548-62-9 C.I. Basic Violet 3
 - 57-55-6 propane-1,2-diol
 - 2580-56-5 [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride
 - 102-71-6 2,2',2''-nitrilotriethanol
- **Proposition 65**
- **Chemicals known to cause cancer:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.
- **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.
- **Cancerogenity categories**
- **EPA(Environmental Protection Agency):**
None of the ingredients is listed.
- **IARC(International Agency for Research on Cancer):**
 - 102-71-6 2,2',2''-nitrilotriethanol
- **NTP(National Toxicology Program):**
None of the ingredients is listed.

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· **TLV(Threshold Limit Value established by ACGIH):**

None of the ingredients is listed.

· **NIOSH-Ca(National Institute for Occupational Safety and Health):**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients is listed.

· **Labelling according to EU guidelines:**

The product has been classified as dangerous according to Directive 67/548/EEC, 1999/45/EEC and 1272/2008/EC.

· **Code letter and hazard designation of product:**

Xn Harmful

N Dangerous for the environment

· **Hazard-determining components of labelling:**

Benzyl alcohol

C.I. Basic Violet 3

· **Risk phrases:**

22 Harmful if swallowed.

36 Irritating to eyes.

40 Limited evidence of a carcinogenic effect.

43 May cause sensitisation by skin contact.

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

· **Safety phrases:**

2 Keep out of the reach of children.

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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

· **National regulations**

· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information

· **Relevant R-phrases:**

20/22 Harmful by inhalation and if swallowed.

22 Harmful if swallowed.

36 Irritating to eyes.

40 Limited evidence of a carcinogenic effect.

41 Risk of serious damage to eyes.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· ***** The contents and format of this MSDS/SDS are in according with REGULATION (EC) No. 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

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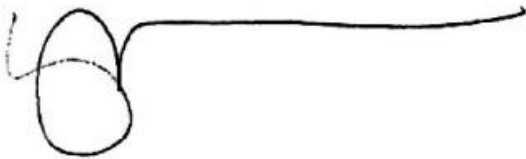
We confirm that the stainless steel housings products are suitable for use in contact with all food types under and condition of use and are in conformity with the applicable requirements of the following regulations and standards:

Regulation (EC) no. 1935/2004 on Material and Articles intended to come into contact with food.

Specific metals release limits of council of Europe (COE) resolution CM/Res (2013) 9 on metals and alloys used in food contact materials.

Manufacture of these products is under quality control procedures meeting the requirements of regulation (EC) no. 2023/2006 on good manufacturing practise for materials and articles intended to come into contact with food.

No warranty is given or implied with respect to this information or patent infringement. Detectamet Ltd do not accept liability for loss or damage arising from the use of this information. Results are based on a test sample, our general experience and information from our suppliers. Data and results must be confirmed by the buyer by testing for its intended conditions of use.

A handwritten signature in dark blue ink, consisting of a large, stylized 'H' followed by a long horizontal line extending to the right.

Helen Morrison
Group Managing Director