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metal Detectable Pens
364-2951 Housing
2952 material
2953
364-2960
2961
2962
364-2967

Material Safety Data Sheet for Detectamet Pen Housings

Chemical Products and Company Identification

1.1 Trade Name : BLUE BTM-5667 ANTIMICROBIAL COMPOUND
1.2 Company : Detectamet

1.3 Telephone : 00 44 (0) 1759 304200
1.4 Fax : 00 44 (0) 1759 304200

Information on Components

2.1 Content :
A. POLYMER (PPCP)
B. ORGANIC PIGMENTS
C. INORGANIC PIGMENTS
D. METAL DETECTABLE FILLER
E. ANTIMICROBIAL ADDITIVE
F.
G.

Potential Health Hazards

Material is solid in pellet form before processing into pen housings. No significant immediate health hazard or environmental hazard. Sweep up spills for prevention of injuries caused by slipping.

First aid measures

4.1 General Information: No Special measures required.
4.2 Skin Contact : Wash with soap and water.
4.3 Eye Contact : Particulates may cause mechanical irritation.
Wash with water for 15 minutes. If symptom persist consult a doctor.
4.4 Ingestion : Not expected to occur. Consult a Doctor in case of complaints.

Do not pull solidified product off skin. Seek medical treatment.

4.6 Advice to Physician : No specific advice. Treat according to symptoms present

Fire Fighting Measures

5.1 Inflammability : This product is inflammable (>230deg. C)

5.2 Extinguishing Media : Water spray, foam CO2 or Dry Powder

5.3 Exposure Hazards : See 10.4

Dispose of contaminated water and soil according to local regulations.

5.4 Wear self-contained breathing apparatus.

Accidental Release Measures

6.1 Personal Precautions : Avoid formation of Dust

6.2 Environmental Precautions : Prevent contamination of soil, drains or watercourse.

6.3 Spillage Removal : Dispose of spillage as described in section 13.1

Handling and Storage

7.1 Handling : Provide adequate ventilation of the workplace

7.2 Storage : Avoid excessive heat. Do not store near strong oxidizing agents.

Exposure Controls / Personal protection gear

8.1 Control Parameters : Use adequate ventilation during heating process. Do not eat, drink, or smoke during handling. Wash hands after use.

8.2 Personal protective Equipment

8.2.1. Respiratory Protection : Provide adequate ventilation during molten phase.

8.2.2. Hand Protection : Use Protective Gloves

8.2.3. Eye Protection : Use Safety Glasses

8.2.4. Skin Protection : Use protective garments while handling molten material e.g. gloves, safety glasses, long sleeves.

9. Physical and Chemical Properties

9.1 Form : Granulate

9.2 Physical State : Solid

9.3 Odour : N/A

9.4 Solubility in Water : Insoluble

9.5 pH : N/A

9.6 vapour point : N/A

9.7 Evaporation rate : N/A

10. Stability and Reactivity

10.1 Stable at normal conditions

10.2 Conditions to avoid : Excessive heat

10.3 Materials to avoid : Strong-oxidizing agents

10.4 Hazardous decomposition Products: Depending on conditions of fire, thermal burning may release oxides of Carbon, Nitrogen, Lead, Barium and other toxic gases or vapours.

11. Toxicological Information

11.1 Acute Toxicity : As the material is supplied in a solid, encapsulated pellet. The main problem is with ingestion of pellets. See 4.1

11.2 Skin Irritant : Not irritant

11.3 Eye Irritant : Not irritant

11.4 Skin Sensitization : No Sensitizing effects known

11.5 Additional Information:

When used and handled according to the specification, the product does not have any harmful effects to our experience, and the information supplied to us.

12. Ecological Information

12.1 The product is practically insoluble in water and can be separated in wastewater treatment plants.

13. Disposal Considerations

13.1 Incineration or landfill in accordance with local regulations.

13.2 Contaminated packaging material should be disposed of identically to the product itself.

13.3 Non-contaminated packaging may be recycled.

14. Transport

14.1 In its present form i.e. embedded in a polymer. The product is non-hazardous and no declaration for transport is required.

15. Regulatory information

15.1 In the form in which the product is marketed i.e. embedded in a polymer, there exists no health hazard risk, and according to guidelines, the product is not subjected to mandatory marking.

16. Other Information

16.1 Issue : 001
16.2 Date : OCT 2007
16.3 Users should acquire materials with local regulations

This information is based on our present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should not therefore be construed as a guarantee of specific properties. The material is based on recycled material and as such there will from time to time be some erroneous material.

NAME OF SUPPLIER/PRODUCER :
E-Components & Chains Ltd /Detectamet Ltd

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

PRODUCT NAME

:

Ball-pen Inks

II COMPOSITION / INFORMATION ON INGREDIENTS

- Chemical Description
- Chemical Name

::

Mixture of glycol,fatty acids, ketonic resin & Basic and Solvent Dyestuff

None

III HAZARDOUS IDENTIFICATION

TO HUMAN BEINGS

TO ENVIRONMENT

TO MATERIAL

:::

Injurious to health, if swallowed.

Increase of general pollution

N.a

IV FIRST AID MEASURES

INHALATION

SKIN CONTACT

EYE CONTACT

UPON SWALLOWING

REMARKS FOR PHYSICIAN

SPECIAL MATERIAL -

REQUIRED FOR FIRST AID

::

:

:

:

:

:

None

.

wash with plenty of water. Upon continuous discomfort, consult physician.
Immediately flush eyes with plenty of water keeping the eye lids open for at
least 15 minutes, lifting lower and upper eye lids occasionally. Get medical
attention immediately.

Get medical aid.

None.

None

V FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING -

MEDIA

NOT SUITABLE EXTINGUISHING

MEDIA

(For Safety reasons)

SPECIAL EXPOSURE HAZARDS

ARISING FROM THE SUBSTANCE

ITSELF, ITS COMBUSTION

PRODUCTS OR RESULTING

GASES

SPECIAL PROTECTIVE

EQUIPMENT

:

*Metal Detectable Pen
Ink*

364-2951

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:
:
:

Water, Foam, powder, CO₂ etc.

None

In case of fire, May produce carbon monoxide, carbon dioxide, nitrogen oxides and hydrogen chloride when heated to decomposition

Use self – contained breathing apparatus

VI. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION

ENVIRONMENTAL -

PROTECTION & CLEANING

ADDITIONAL REMARKS

:
:
:
;

See 8.3 personal protection.

Should not come in contact with water without being pretreated

None

VII HANDLING AND STORAGE

HANDLING

STORAGE

:
:

Avoid contact with skin and eyes

Keep container tightly closed.

VIII EXPOSURE CONTROLS & PERSONAL PROTECTION

1. ADDITIONAL INFORMATION

ON SYSTEM DESIGN

:

Protective equipments to be provided as per item 8.3

2.PERSONAL PROTECTION / CONTROL PARAMETERS WITH RESPECT TO COMPONENTS OF -
MATERIAL

Name of Material

Ball-pen Inks

:

Class /Value/ Unit

N.A

3. PERSONAL PROTECTION

GENERAL PROTECTION &

HYGIENIC MEASURES

RESPIRATORY PROTECTION

HAND PROTECTION

EYE PROTECTION

BODY PROTECTION

:
:
:
:
:

Avoid contact with eyes and skin. .

None

Gloves recommended

None

None

IX PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE

STATE

COLOR

ODOR

SAFETY PARAMETERS

BOILING POINT

FLASH POINT

MELTING POINT IN CLOSED

CUP

pH VALUE, UN DILUTED

:

:

:

:

:

:

:

Pasty Liquid

As per specification

Slight Aromatic

N.A.

Greater than 125°C

N/A.

6 to 8

FLAMMABILITY (EG A10/A13)

IGNITION TEMPERATURE

AUTO IGNITION (EG A16)

FLAMM. PROPERTIES

EXPLOS. PROPERTIES

EXPLOSION LIMITS -

(VOL.%) LOW

" " HIGH

THERMAL DECOMPOSITION (°C)

OTHER INFORMATION

DENSITY (g/MI)

SOLUBILITY IN WATER

VAPOUR PRESSURE

VAPOUR DENSITY (AIR=1)

PARTITION COEFFICIENTN=

OCTANOL/WATER

VISCOSITY

SOLVENT SEPARATION TEST

SOLVENT CONTENT (Wt. %)

EVAPORATION No.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

N.A

N.A

N.A

N.A

N.A

N.A

N.A

Above 150 °C

1.0 to 1.2

Slightly soluble

N.A

N.A.

N.A

5000 to 12000 CPS @ 25° C

N.A

N.A

N.A

X STABILITY AND REACTIVITY

CONDITIONS TO AVOID

HAZARDOUS REACTION

HAZARDOUS PRODUCTS

:

:

:

Temperatures above 100 °C

None known

May produce carbon monoxide, carbon dioxide, nitrogen oxides and hydrogen chloride when heated to decomposition

XI TOXICOLOGICAL DATA

L.D – 50 (ORAL) RAT

SKIN IRRITATION

EYE IRRITATION

:

:

:

N. A.

Slight irritant

Irritant

XII ECOLOGICAL DATA

SEPARATION / REMOVAL

FATE OF ENVIRONMENT .

:

:

To be treated in a suitable effluent treatment plant

This product will not pollute the effluent if it is treated properly

XIII DISPOSAL CONSIDERATION

PRODUCT

PACKING

:

:

Land filled or incinerated in accordance with the local authority.

Neutral packing can be used. Contaminated packing should be disposed in the same manner as the contents.

XIV TRANSPORT INFORMATION

Not classified as hazardous items transport regulations. But better to avoid direct contact with food – items & consumable items.

XV REGULATORY INFORMATION

Labeling in accordance with EEC,

Xn

R 22

:
:

Harmful

Harmful if swallowed

XIV OTHER INFORMATION

The above particulars relate to the knowledge and experience at the date of edition.

They do

not have the significance of assured properties. They must neither be altered nor be transferred to other products. Copying in unchanged condition is allowed.

It is the responsibility of the user to comply with all applicable laws and regulations.

N/A = Not Applicable

N.A = Not available