

# Safety Data Sheet (MSDS)

Issued Date : 16 May 2008  
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**SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** : Artline SHIRT MARKER EKT-2 all colours

( Black, Blue, Red, Green, Yellowgreen, Brown, Orange, Purple, Yellow, Rose, Grey, Fluoro.Yellow, Fluoro.Orange, Fluoro.Pink, Fluoro.Green, Beige, Light Purple, Light Blue, Pale Orange )



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**Recommended use** : Marker ink



**SECTION 2 HAZARDS IDENTIFICATION**

**GHS Classification**

**Physical Hazards** : Not classified  
**Health Hazards** : Not classified  
**Environmental Hazards** : Classification not possible

**LABEL ELEMENTS**

**Symbols** : None  
**Signal word** : None  
**Hazard statement** : None

**Precautionary statement**

**【Prevention】**  
Wash hands thoroughly after handling.  
**【Response】**  
IF IN EYES : Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists : Get medical advice and attention.  
**【Storage】**  
Store in a well-ventilated place. Keep cool.  
**【Disposal】**  
Dispose of contents and container in accordance with local regulations.



(P264)  
(P305+P351+P338)  
(P337+P313)  
(P403+P235)  
(P501)

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance / Mixture** : Mixture

**Ingredients** : Mixture of the following substances, containing non-hazardous substances and colouring agents.

**SECTION 4 FIRST-AID MEASURES**

**IF INHALED** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.

**IF ON SKIN** : Remove / Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.

**IF IN EYES** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**IF SWALLOWED** : After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor's treatment (stomach pump) promptly.

**SECTION 5 FIRE-FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA** : Dry chemical powder, foam or carbon dioxide

**UNSUITABLE EXTINGUISHING MEDIA** : None

**SPECIFIC EXTINCTION METHOD**

For initial stage extinction, carbon dioxide or dry chemical powder.  
 When a fire extends, fire is extinguished by a large amount of water spray.  
 Do not discharge extinguishing waters into the aquatic environment.

**SPECIAL PROTECTIVE FOR FIRE- FIGHTERS**

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Evacuate personnel to safe area. Shut off all sources of ignition.  
 No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

**ENVIRONMENTAL PRECAUTIONS**

Do not throw the leakage thing directly into environment

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

In case of a small spill, remove by absorbing with absorbents (sawdust, soil, sand, waste cloth, etc.), and then wipe off the waste well with waste cloth, and rag.  
 In case of large spills, prevent leakage by enclosing with nonflammables (earth and sand, etc.) and collect into empty container by scoop, suction equipment or the like.

**SECONDARY ACCIDENT PREVENTION MEASURE**

All ignition sources should be quickly removed. (No smoking in vicinity, prohibit sparks or fire sources.)

**SECTION 7 HANDLING AND STORAGE**

**Handling** : Use with adequate ventilation.  
 Avoid contact with skin, eyes and clothing.  
 Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Do not eat, drink or smoke when using this product.

**Storage** : Keep containers tightly closed and store in a cool and dry place.  
 Keep away from heat and flame, ignition source and sunlight.  
 Keep out of the reach of children.

**SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**OCCUPATIONAL EXPOSURE LIMIT**

ACGIH (2020)	Not listed
DIRECTIVE 2000/39/EC	Not listed
Japan Society for Occupational Health (2020)	Not listed

**PERSONAL PROTECTION**

**Respiratory Protection** : Use with local exhaust ventilation, when in long use.  
 Avoid breathing vapours. Wear mask to prevent organic gas, if necessary.  
**Hand Protection** : Avoid contact with hands. Wear safety gloves, if necessary.  
**Eye Protection** : Avoid contact with eyes. Wear safety glasses, if necessary.  
**Skin Protection** : Avoid skin contact. Wear personal protection apron, boots, if necessary.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: Liquid
Odour	: None
pH	: 7 ~ 9
Boiling point	: No data available
Flash point	: 146 ~ 160 °C
Relative Density (at 25°C)	: 1.0 ~ 1.1 (g/cm <sup>3</sup> )
Solubility in Water	: Soluble

**SECTION 10 STABILITY AND REACTIVITY**

Stability	: Stable under normal handling.
Conditions to Avoid	: High temperature, Direct sunlight, Fire
Incompatible Materials	: Strong oxidising agents
Hazardous Decomposition Products	: CO, CO <sub>2</sub>

**SECTION 11 TOXICOLOGICAL INFORMATION**

Acute toxicity	: No data available
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**SECTION 12 ECOLOGICAL INFORMATION**

Hazardous to the aquatic environment (acute)	: Classification not possible
Hazardous to the aquatic environment (chronic)	: Classification not possible
Hazardous to the ozone layer	: Classification not possible

**SECTION 13 DISPOSAL CONSIDERATIONS**

Disposal must be made according to official regulations.  
 Comply with all Federal, State, and Local regulations regarding disposal.  
**Do not allow product to reach ground, any water course or sewage system.**

**SECTION 14 TRANSPORT INFORMATION**

UN number	(DOT, ADR, IMDG, IATA)	: None
UN proper shipping name	(DOT, ADR, IMDG, IATA)	: None
UN Classification		: None
Packing group	(DOT, ADR, IMDG, IATA)	: None
Marine pollutant (Y/N)		: N
EmS number		: None

**SECTION 15 REGULATORY INFORMATION**

Refer to any other federal, state, EU, national and local regulations.

**SECTION 16 OTHER INFORMATION**


This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.

**HOW TO GET GOOD RESULTS**


**What you'll need**

- Artline **LAUNDRY MARKER**
- Artline **LAUNDRY MARKER (EK-750 black)**
- Design ● T-shirt (100% cotton)
- Cardboard ● Iron

**1** Attach a design to a piece of card with clear or paper tape.




**2** Insert the card & design inside the T-Shirt and position required.




**3** Fold the sides of the T-Shirt behind the card and secure them with clear or paper tape.

**Tips** Keep the front side of the T-Shirt from wrinkling. It makes line work easier.



**4** Use a fine nib black or dark coloured **LAUNDRY MARKER** or the EK-750 to trace the outline of the design.

**Tips** At this stage a rough outline is OK because you'll re-trace later.



**5** Fill in the design with **LAUNDRY MARKER**.

**Tips** Keep applying colour until there is no white visible in the coloured areas. Gently stretch the material to check unpainted area is not left.



**Tips** Lastly, colour small and detailed areas.

How to fill in wide areas: 

How to fill in narrow areas: 

**6** A thick emphasis to outlines using a black or dark coloured **LAUNDRY MARKER** or the EK-750 will add depth and contrast to your design. Modify any unsatisfactory areas.



**7** Remove the card from the T-shirt. After the ink has dried, gently iron over the design at a medium heat to fix the colours.



**Point**

- Painting over other colours before ink dries will add a gradational effect. Note: A pen nib will get dirty.
- After ink dries, you may overglaze.
- You can also use colour photos or magazine cutouts as T-shirt designs.

