

## SAFETY DATA SHEET

Authored according to (EC) No.1907/2006 and amendment (EU) 2015/830

### SDS ISSUE DATE

01/11/2024

### SDS REVISION

1

## 1.0 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 PRODUCT IDENTIFIER

Product Form	Mixture (Ink) within a container (Marker Pen)
Product Name	ACF (ALL COLOURS), AMP (INCLUDING AMK TYPES 3&4 AND ACDU)

### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE/MIXTURE AND USES ADVISED AGAINST

#### 1.2.1 RELEVANT IDENTIFIED USES

Use of the substance/mixture	Indelible marking of materials.
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#### 1.2.2 USES ADVISED AGAINST

Restriction on use	Not advised for use on skin.
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### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier	OX Tools UK
Company Address	102-108 Clifton Street, Shoreditch, London, EC2A 4HW, United Kingdom
Telephone	+44 20 8676 9990
Fax	None
E-mail	info.uk@oxtools.com

### 1.4 EMERGENCY TELEPHONE NUMBER

999

In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

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### 2.0 HAZARDS IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE SUBSTANCE/MIXTURE

The product is not classified according to Regulation (EC) No. 1272/2008 (CLP)

#### 2.2 LABEL ELEMENTS

Hazard Pictograms	Not applicable
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Signal Word	Not applicable
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Hazard Statements	Not applicable
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Precautionary Statements	Not applicable
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Response Precautionary Codes	Not applicable
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Storage Precautionary Codes	Not applicable
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Disposal Precautionary Codes	Not applicable
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#### 2.3 OTHER HAZARDS

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0.1%.

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**3.0 COMPOSITION/INFORMATION ON INGREDIENTS****3.1 SUBSTANCES**

Not applicable

**3.2 MIXTURES**

<b>Black Ink</b>		
<b>Components</b>	<b>%W/W</b>	<b>CAS No.</b>
Surfactant	1 - 3	39464-64-7
Propylene Glycol Monomethyl Ether	70 - 83	00107-98-2
Dye	12 - 15	12237-22-8
Maleic Resin	10 - 15	N/A

<b>Blue / Red Ink</b>		
<b>Components</b>	<b>%W/W</b>	<b>CAS No.</b>
Vinyl Acetal Polymer	3.5	63148-65-2
Phenol Formaldehyde Polymer	4.5	9003-35-4
Absolute Ethanol	67 - 76	64-17-5
Solvent Yellow 79	0.1 - 20	12237-31-9
Solvent Red 119		12237-27-3
Solvent Blue 70		12237-24-0
Isopropanol	5 - 15	67-63-0

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### 4.0 FIRST AID MEASURES

#### 4.1 DESCRIPTION OF FIRST AID MEASURES

General description: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately rinse with water.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If symptoms persist consult doctor.

#### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No further relevant information available.

#### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No further relevant information available.

### 5.0 FIRE FIGHTING MEASURES

#### 5.1 EXTINGUISHING MEDIA

Suitable Extinguishing Media Sand, foam, dry chemical, carbon dioxide (CO<sub>2</sub>), Alcohol resistant foams (ATC) are preferred, if available.

#### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No further relevant information available.

#### 5.3 ADVICE FOR FIREFIGHTERS

Protective equipment: no special measures required.

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### **6.0 ACCIDENTAL RELEASE MEASURES**

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

Wear protective equipment. Keep unprotected persons away.

#### **6.2 ENVIRONMENTAL PRECAUTIONS**

Dilute with plenty of water.

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

#### **6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13 Ensure adequate ventilation.

#### **6.4 REFERENCE TO OTHER SECTIONS**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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### 7.0 HANDLING AND STORAGE

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

For the general occupational hygienic measures refer to Section 8.

Information about fire and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

#### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES REQUIREMENTS TO BE MET BY STOREROOMS AND RECEPTACLES

Store in a cool location.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Keep container tightly sealed. Store in cool, dry conditions in well-sealed receptacles.

#### 7.3 SPECIFIC END USE(S)

No further relevant information available.

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### 8.0 EXPOSURE CONTROLS/ PERSONAL PROTECTION

#### 8.1 APPROPRIATE ENGINEERING CONTROLS

Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.

Personal protective equipment

Respiratory protection: Not required.

Protection of hands: Protective gloves

The glove material must be impermeable and resistant to the product.

No recommendation to the glove material can be given for the product.

Eye protection: Tightly sealed goggles

#### 8.2 ENVIRONMENTAL EXPOSURE CONTROLS

Control measures must be made in accordance with environmental protection legislation.

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**9.0 PHYSICAL AND CHEMICAL PROPERTIES****9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

	Black Ink	Blue Ink	Red Ink
Form	No data available	No data available	No data available
Colour	Black	Blue	Red
Odour	No data available	No data available	No data available
pH (Value)	No data available	No data available	No data available
Decomposition Temperature (°C)	No data available	No data available	No data available
Boiling point/boiling range (°C)	No data available	No data available	No data available
Melting Point/range (°C)	No data available	No data available	No data available
Flash Point (°C) [Closed cup]	No data available	No data available	No data available
Auto Ignition Temperature (°C)	No data available	No data available	No data available
Explosive Properties	No data available	No data available	No data available
Minimum Ignition Energy (mJ)	No data available	No data available	No data available
Oxidising Properties	No data available	No data available	No data available
Flammability (solid, gas)	No data available	No data available	No data available
Vapour Pressure (Pascal)	No data available	No data available	No data available
Vapour density	No data available	No data available	No data available
Density at 25 °C g/cm <sup>3</sup> (± 0.02)	No data available	No data available	No data available
Specific Gravity	No data available	No data available	No data available
Solubility (Water)	No data available	No data available	No data available
Viscosity at 25 °C Cps (± 0.5)	No data available	No data available	No data available
Surface tension Dyne/cm <sup>3</sup> (± 5)	No data available	No data available	No data available
Evaporation rate	No data available	No data available	No data available
Partition coefficient: n-Octanol/ water	No data available	No data available	No data available
Acid Value (mgKOH/g)	No data available	No data available	No data available
Moisture (%)	No data available	No data available	No data available
Peroxide Number (mmol/kg)	No data available	No data available	No data available



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### 9.2 OTHER INFORMATION

No information available.

## **10.0 STABILITY AND REACTIVITY**

### 10.1 REACTIVITY

Stable under recommended storage and handling conditions.

### 10.2 CHEMICAL STABILITY

Stable under normal conditions of use, storage and transport.

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known.

### 10.4 CONDITIONS TO AVOID

No information available.

### 10.5 INCOMPATIBLE MATERIALS

No information available.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No information available.

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### 11.0 TOXICOLOGICAL INFORMATION

#### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity:

No information available.

Skin corrosion/irritation:

No information available.

Serious eye damage/irritation:

No information available.

Respiratory or skin sensitization:

No sensitizing effects known.

Toxicokinetic, metabolism and distribution:

No information available.

CMR effects (carcinogenicity, mutagenicity, and toxicity for reproduction):

No information available.

#### 11.2 INFORMATION ON OTHER HAZARDS

Endocrine disrupting properties

This mixture does not contain endocrine disruptors.

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### **12.0 ECOLOGICAL INFORMATION**

#### 12.1 TOXICITY

Aquatic toxicity: No further relevant information available.

#### 12.2 PERSISTENCE AND DEGRADABILITY

No further relevant information available.

#### 12.3 BIOACCUMULATIVE POTENTIAL

No further relevant information available.

#### 12.4 MOBILITY IN SOIL

No further relevant information available.

#### 12.5 RESULTS OF PBT AND VPVB ASSESSMENT

PBT: Not applicable.

vPvB: Not applicable.

#### 12.6 OTHER ADVERSE EFFECTS

No information available.

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### 13.0 DISPOSAL CONSIDERATIONS

#### 13.1 WASTE TREATMENT METHODS

Recommendation:

Should not be disposed together with household waste.

Do not allow product to reach sewage system.

### 14.0 TRANSPORT INFORMATION

#### 14.1 UN-NUMBER

ADR, RID, ADN, IMDG, IATA

Not applicable

#### 14.2 UN PROPER SHIPPING NAME

ADR, RID, ADN, IMDG, IATA

Not applicable

#### 14.3 TRANSPORT HAZARD CLASS (ES)

ADR, RID, ADN, IMDG, IATA

Not applicable

Class

Not applicable

Label

Not applicable

#### 14.4 PACKING GROUP

Not applicable

#### 14.5 ENVIRONMENTAL HAZARDS

Not applicable

#### 14.6 SPECIAL PRECAUTIONS FOR USER

Not applicable

#### 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE "MODEL REGULATION

Not applicable

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### 15.0 REGULATORY INFORMATION

#### 15.1 SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS/LEGISLATION FOR THE SUBSTANCE/MIXTURE

The Safety Data Sheet is compiled according to the current UK requirements.

Regulation (EC)No 1272/2008

Commission of regulation 2017/542

Commission Regulation (EU) 2015/830

Regulation (EC) No 1907/2006

Regulation (EC) No 528/2012

Regulation (EU) No 1107/2009

SVHC Candidate list of REACH Regulation annex XIV Authorization

REACH Regulation Annex XVII Restriction

REACH Regulation Annex XIV Authorization List

Dangerous Goods Regulations

Recommendations on the Transport of Dangerous Goods-Model Regulations

International Maritime Dangerous Goods

Technical Instructions for the Safe Transport of Dangerous Goods

#### 15.2 CHEMICAL SAFETY ASSESSMENT

Carried out by Duke University School of Medicine to ASTM-D4236.

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### 16.0 OTHER INFORMATION

DISCLAIMER: The information provided in this Safety Data Sheet (SDS) is based upon the current level of information available with us for the purpose of specifying the requirements regarding environment, health, and safety in conjunction with this product. It should not therefore be interpreted as a warranty for any specific characteristics of the product. It is the user's responsibility to take mentioned precautionary measures and ensure that this information is complete and sufficient for the use, processing, and handling of the product. This SDS was prepared by OX Tools UK; however, the information is provided without any warranty, expressed, or implied regarding its correctness. The SDS provided here relates only to this product and does not relate to its use in combination with any other product or material or in any process. The suitability of the product for any particular use needs to be investigated by the user; all risks of use, storage, handling, transportation, and disposal of the product are therefore assumed by the user. OX Tools UK or the above-named supplier, or any of its subsidiaries do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with use, storage, handling, transportation, and disposal of the product. Appropriate warnings and safe handling procedures should be provided to all handlers and users.