

# SAFETY DATA SHEET

## ACRYLAC PEARLESCENT COATING

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME                   ACRYLAC PEARLESCENT COATING  
 PRODUCT NO.                    57031160  
 APPLICATION                    Waterbased Emulsion Coating  
 SUPPLIER                         STEHLIN HOSTAG INK UK LTD  
                                       UNIT D4 LINKMEL CLOSE  
                                       QUEENS DRIVE INDUSTRIAL  
                                       ESTATE  
                                       NOTTINGHAM  
                                       NG2 1NA  
                                       Tel : 0115 9860477  
                                       (0115 986 0477 Mon- Fri 24 hrs)  
                                       Fax : 0115 9862681  
                                       e-mail: sds@stehlin.co.uk

### 2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
Acrylic Resin Solution			<30%	-
Aqueous Wax Dispersion			10-15%	-
Glycol			10-15%	-
Polymer Emulsions			40-50%	-

The Full Text for all R-Phrases are Displayed in Section 16

### 4 FIRST-AID MEASURES

#### INHALATION

No Symptoms Consult a doctor

#### INGESTION

There may be irritation of the throat. Wash out mouth with water

#### SKIN CONTACT

There may be mild irritation at the site of contact. Wash immediately with plenty of water and soap and rinse thoroughly.

#### EYE CONTACT

There may be irritation and redness Bathe the eye with running water for 15 minutes

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials. Use water spray to cool containers.

#### SPECIFIC HAZARDS

In combustion emits toxic fumes

#### PROTECTIVE MEASURES IN FIRE

Wear self contained breathing apparatus. Wear Protective clothing to prevent contact with skin and eyes.

### 6 ACCIDENTAL RELEASE MEASURES

# ACRYLAC PEARLESCENT COATING

## PERSONAL PRECAUTIONS

Refer to protective measures listed in sections 7 and 8. Turn leaking containers leak side up to prevent the escape of liquid.

## ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. Contain the spillage using bunding.

## SPILL CLEAN UP METHODS

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

## 7 HANDLING AND STORAGE

### STORAGE PRECAUTIONS

Store in cool, well ventilated area. Keep container tightly closed.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### RESPIRATORY EQUIPMENT

Respiratory protection not required.

### HAND PROTECTION

Protective gloves are recommended.

### EYE PROTECTION

Safety glasses. Ensure eye bath is to hand.

### SKIN PROTECTION

Protective clothing should be worn.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	White		
ODOUR	Mild Ammonial		
SOLUBILITY	Miscible with water.		
VISCOSITY	viscous	FLASH POINT (°C)	>100

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### CONDITIONS TO AVOID

Avoid heat.

### MATERIALS TO AVOID

Strong oxidising substances. Strong acids.

### HAZARDOUS DECOMPOSITION PRODUCTS

In combustion emits toxic fumes

## 11 TOXICOLOGICAL INFORMATION

### ROUTE OF ENTRY

Refer to section 4 for routes of exposure and corresponding symptoms

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Negligible ecotoxicity

### MOBILITY

Readily absorbed into soil

### BIOACCUMULATION

The product is not bioaccumulating.

### DEGRADABILITY

The product is biodegradable.

# ACRYLAC PEARLESCENT COATING

## 13 DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

## 14 TRANSPORT INFORMATION

GENERAL Not classified according to transport regulations for dangerous goods.

## 15 REGULATORY INFORMATION

### RISK PHRASES

NC Not classified.

### SAFETY PHRASES

NC Not classified.

### UK REGULATORY REFERENCES

Note - the regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16 OTHER INFORMATION

### ISSUED BY

B.A Hayden HSQE Manager

SDS NO. 10743

### SAFETY DATA SHEET STATUS

Approved.

DATE 16/02/10

### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



## ACRYLAC<sup>®</sup> Pearlescent

### 57 0311/60

#### Water-based emulsioncoating

#### Application

For wet-on-dry and wet-on-wet coating in sheet-fed offset presses with coating unit

A suitable screen roller with chambered doctor blade is required to obtain a controlled and consistent effect

Recommended drying equipment: hot-air blower and extraction unit

#### Substrate

Paper / board

#### Special properties

Silver-white, brilliant pearlescent effect, good rub resistance

Average drying speed, not suitable for double-sided printing

(Please also note section entitled „Special instructions“ on page 2.)

#### Specifications

	57 0311/60
Viscosity / draining time s <sup>1)</sup>	approx. 60 s
pH	7.4 - 8.4
Density	1.02 g/ml
Double-sided printing	no
Heat-sealing resistance, uncoated PP film <sup>2)</sup> (Acrylate-coated films are not suitable)	good
Rub resistance	very good
Application rate, wet <sup>3)</sup>	4 - 8 g/m <sup>2</sup>
Thinner	Water

1) As-delivered viscosity at 20 °C, well stirred (draining time per DIN 53 211, 4-mm Ø nozzle)

2) Test conditions: 130 °C, 1 s; 0.5 bar / coated cellulose board, preprinted with oxidative-drying ink

3) depending on applications process, substrate and ink coverage

#### Cleaning

We recommend you use ACRYLAC<sup>®</sup> Cleaner 10 T 0045 to clean rollers, rubber blankets, forme cylinders, etc. (see the instructions for use and Technical Information sheet 10.9.01).

To achieve a consistent print result, we recommend you regularly perform a thorough washup of all rollers when using screen rollers.

## Auxiliaries

Various auxiliaries are available to help you apply the water-based emulsion coating:

ACRYLAC® -Cleaner 10 T 0045	- see Technical Information sheet 10.9.01
Retarder / Anticrazing Agent 10 T 0422	- see Technical Information sheet 10.9.03
Defoamer 10 T 0423	- see Technical Information sheet 10.9.03
Wetting Agent / Thickener 10 T 0690	- see Technical Information sheet 10.9.03

## Special instructions

The pearlescent pigments consist of relatively large particles (10 microns – 60 microns). To ensure good transfer of these pigments, experience shows the screen roller should have no more than 100 l/cm.

Water-based emulsion coatings are generally slightly alkaline. The offset inks used must therefore be alkali-resistant (DIN 16 524, Part 2). One exception to this is the process ink colour magenta: despite their low level of alkali fastness, these inks can be overcoated with water-based emulsion coatings without any problem.

The coated surfaces can be glued and are suitable for finishing with stamping film (depending on the adhesive, stamping film and processing conditions; we recommend you carry out a test under field conditions beforehand).

Heat-sealing resistance and heat resistance depend upon many parameters, which is why we recommend you carry out tests under field conditions in this regard, too.

If there is a possibility of the package contents or external influences (e.g. moisture, detergents, grease, etc.) having potentially negative influences on the print, you must likewise conduct appropriate tests to determine suitability.

If the coating film becomes affected by moisture (e.g. by the water-based adhesive when laminating), there is a possibility of it causing blocking. Wet-blocking-resistant special coatings with a pearlescent effect are available. You can obtain more information from your contact at the **hubergroup**.

Please refer to Technical Information sheet 10.5.01 for general application instructions and further information about the drying process.

The coating has a shelf life of 6 months from delivery if the container is not opened. After opening the container, the coating should be used up as quickly as possible.

The water-based emulsion coating must be stored in its original container in a dry, cool but frost-free place. Storage temperatures higher than 30°C have the negative effect of causing the coating to thicken and must therefore be avoided.

### **Pearlescent pigments have a tendency to settle. Always stir well before use!**

(Practice in the field has revealed a variable-speed drill with plaster stirrer to be a good tool for the job.).

The product is not considered a hazardous substance within the meaning of current EU legislation. Safety Data Sheet available on request

## Use on food packaging:

The following requirements apply in relation to food and consumables packaging:

- avoidance of organoleptic changes (changes of odour and taste) to the package contents
- migration must remain within the set limits and
- there must be no change in the colour of the package contents.

Migration and invisible set-off must be prevented by arranging for suitable processing conditions and selecting a substrate or primary packaging with adequate barrier properties.

If the substrate used to make the packaging does not act as an adequate barrier, there is a possibility of substances migrating from the packaging to its contents. In this case, we recommend you use our low-migration MGA-ACRYLAC® water-based emulsion coatings (low-migration, organoleptically neutral). The coatings must not come into direct contact with the packaged foodstuffs.

More information on the subject of food and consumables packaging can be found in the information sheet entitled „Druckfarben für Lebensmittelverpackungen“ (Printing inks for food packaging) published by the German Printing Ink Manufacturers' Association.

## How supplied

25-kg plastic pails

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Contact addresses for advice and further information can be found under [www.hubergroup.de](http://www.hubergroup.de)

This Technical information sheet reflects the current state of our knowledge. It is designed to inform and advise.

We assume no liability for correctness. Modifications may be made in the interest of technical improvement.