

SAFETY DATA SHEET

ACRYLAC HIGH SPEED DS GLOSS

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

PRODUCT NAME ACRYLAC HIGH SPEED DS GLOSS
 PRODUCT NO. 57017940
 APPLICATION Waterbased Emulsion Coating
 SUPPLIER STEHLIN HOSTAG INK UK LTD
 UNIT D4 LINKMEL CLOSE
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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			40-50%	-
Aqueous Wax Dispersion			7-10%	-
Glycol			7-10%	-
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 physician for specific advice.

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 skin thoroughly with soap and water or use recognised skin cleanser

EYE CONTACT

There may be irritation and redness Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers.

SPECIFIC HAZARDS

In combustion emits toxic fumes

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PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Turn leaking containers leak side up to prevent the escape of liquid.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains or rivers. Contain the spillage using bunding.

SPILL CLEAN UP METHODS

Contain and collect spillages with non-combustible absorbent material (e.g.sand, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations.

7 HANDLING AND STORAGE

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY EQUIPMENT

Respiratory protection not required.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

Wear approved, tight fitting safety glasses where splashing is probable. 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

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MOBILITY

Readily absorbed into soil

BIOACCUMULATION

The product is not bioaccumulating.

DEGRADABILITY

The product is biodegradable.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

GENERAL

Considered as non-hazardous under Transport Regulations.

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

REVISION COMMENTS

This is first issue.

ISSUED BY

B.A Hayden HSQE Manager

REV. NO./REPL. SDS GENERATED 1

SDS NO. 10739

SAFETY DATA SHEET STATUS

Approved.

DATE 19/01/10

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[®] HIGH SPEED DS GLOSS

57 017940

Water-based emulsioncoating

Application

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

Recommended drying equipment: hot-air blower and extraction unit

Substrate

Foils (adequately pretreated before printing) / aluminium-vaporised materials / paper / board

Special properties

Very fast drying and excellent wet-blocking resistance

Perfect stackability and excellent rub resistance

Very good anticrazing properties on non-absorbent substrates

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

Specifications

	57 017940
Viscosity / draining time s ¹⁾	approx. 40 s
pH	7.8 - 8.8
Density	1.02 g/ml
Double-sided printing	yes
Heat-sealing resistance, uncoated PP film ²⁾ (Acrylate-coated films are not suitable)	very good
Rub resistance	outstanding
Application rate, wet ³⁾	4 - 8 g/m ²
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[®] 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

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.

Note: Particularly when printing on non-absorbent substrates, ink drying is significantly slowed down by overcoating. This must be taken into account when finishing.

The coated surfaces are conditionally suitable for gluing and for finishing with stamping film (depending on the adhesive, stamping film and processing conditions; you must 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.

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.

Stir well before use.

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 canisters

600-kg returnable plastic containers

Contact addresses for advice and further information can be found under 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.