SAFETY DATA SHEET
WETTING AGENT

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name: WETTING AGENT
Product No: AD001

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Raw Material

1.3. Details of the supplier of the safety data sheet
Supplier: STEHLIN HOSTAG INK UK LTD
UNIT D4 LINKMEL CLOSE
QUEENS DRIVE INDUSTRIAL ESTATE
NOTTINGHAM
NG2 1NA
Tel: 0115 9860477
Fax: 0115 9862681
e-mail: sds@stehlin.co.uk

1.4. Emergency telephone number

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical and Chemical Hazards: Flamm. Liq. 3 - H226
Human health: Skin Irrit. 2 - H315; Eye Dam. 1 - H318
Environment: Not classified.

Classification (1999/45/EEC)
Xi;R38, R41. R10.

Human health
Irritating to Skin. Risk of serious damage to eyes
Physical and Chemical Hazards
Flammable

2.2. Label elements
Label In Accordance With (EC) No. 1272/2008

Signal Word
Danger

Hazard Statements
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary Statements
P280 Wear protective gloves/protective clothing/eye protection/face protection.
**WETTING AGENT**

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Supplementary Precautionary Statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/…/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash … thoroughly after handling.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see … on this label).

P332+313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P370+378 In case of fire: Use … for extinction.

P403+235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container to …

### 2.3. Other hazards

This substance is not identified as a PBT substance. In use may form flammable / explosive vapour-air mixutre.

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<table>
<thead>
<tr>
<th>SODIUM DI (2 ETHYL HEXYL) SULPHOSUCCINATE</th>
<th>&lt;80%</th>
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</thead>
<tbody>
<tr>
<td>CAS-No.: 577-11-7</td>
<td>EC No.: 209-406-4</td>
</tr>
<tr>
<td>Classification (EC 1272/2008)</td>
<td>Skin Irrit. 2 - H315</td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td>Classification (67/548/EEC) Xi;R38,R41.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INDUSTRIAL METHYLATES SPIRITS (ims)</th>
<th>10-15%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classification (EC 1272/2008)</td>
<td>Flam. Liq. 2 - H225</td>
</tr>
<tr>
<td>Acute Tox. 4 - H302</td>
<td>Acute Tox. 4 - H312</td>
</tr>
<tr>
<td>Acute Tox. 4 - H332</td>
<td>STOT Rep. 2 - H373</td>
</tr>
<tr>
<td>Classification (67/548/EEC)</td>
<td>Xn;R20/21/22,R48/20/21/22.</td>
</tr>
<tr>
<td></td>
<td>F;R11.</td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

**General information**

Eye bathing equipment should be available on the premises

**Inhalation**

Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor

**Ingestion**

Wash out mouth with water Consult a doctor.

**Skin contact**

Remove all contaminated clothes and footwear immediately, unless stuck to skin. Wash immediately with plenty of water and soap and rinse thoroughly.
**Wetting Agent**

**Eye contact**
Bathe the eye with running water for 15 minutes. Consult a doctor.

**4.2. Most important symptoms and effects, both acute and delayed**

**General information**
Immediate effects can be expected after short-term exposure.

**Inhalation**
There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Ingestion**
There may be soreness and redness of the mouth and throat.

**Skin contact**
There may be irritation and redness at the site of contact.

**Eye contact**
There may be irritation and redness. The eyes may water profusely.

**4.3. Indication of any immediate medical attention and special treatment needed**

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**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

**Extinguishing media**
Use water spray to cool containers. Alcohol resistant foam. Water spray. Carbon dioxide (CO2). Dry chemical powder.

**5.2. Special hazards arising from the substance or mixture**

**Specific hazards**
In combustion emits toxic fumes. Forms explosive air-vapour mixture.

**5.3. Advice for firefighters**

**Protective equipment for fire-fighters**
Wear self contained breathing apparatus. Wear Protective clothing to prevent contact with skin and eyes.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Refer to protective measures listed in sections 7 and 8. Turn leaking containers leak side up to prevent the escape of liquid. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Eliminate all sources of ignition.

**6.2. Environmental precautions**

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

**6.3. Methods and material for containment and cleaning up**

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean up procedure which may produce sparks.

**6.4. Reference to other sections**

See section 7 for information on safe Handling. See section 8 for information on personal protective equipment. See section 13 for disposal information.

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**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**7.3. Specific end use(s)**

Raw material for use in coating manufacture

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**STD**
Not Applicable

**8.1. Control parameters**
8.2. Exposure controls

Engineering measures
Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory equipment
Self contained breathing apparatus must be available in case of emergency

Hand protection
Wear Nitrile gloves of minimum thickness 0.5mm. Gloves should be replaced regularly or if any change in appearance is noticed. Ensure gloves are manufactured in accordance with BS EN 374. Penetration times carried out according to EN 34 part III are not always practicable, therefore maximum wearing time of 50% of penetration time is recommended.

Eye protection
Safety glasses. Ensure eye bath is to hand.

Skin protection
Impermeable protective clothing

Environmental Exposure Controls
An environmental assessment must be made to ensure compliance with local environmental legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Yellow/gold</td>
</tr>
<tr>
<td>Odour</td>
<td>Mild Ammonial</td>
</tr>
<tr>
<td>Solubility</td>
<td>Miscible with water</td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td>27 degrees C</td>
</tr>
</tbody>
</table>

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Stable under recommended transport or storage conditions.

10.2. Chemical stability
Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions
Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

10.5. Incompatible materials
Materials To Avoid
Strong oxidising substances. Strong acids.

10.6. Hazardous decomposition products
In combustion emits toxic fumes

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

General information
Immediate effects can be expected after short-term exposure.

Inhalation
There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Ingestion
There may be soreness and redness of the mouth and throat.

Skin contact
There may be irritation and redness at the site of contact

Eye contact
There may be irritation and redness The eyes may water profusely.
SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Negligible ecotoxicity

12.1. Toxicity

12.2. Persistence and degradability

Degradability
Insufficient data available.

12.3. Bioaccumulative potential

Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil

Mobility
The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This substance is not identified at a PBT substance

12.6. Other adverse effects

Negligible ecotoxicity

SECTION 13: DISPOSAL CONSIDERATIONS

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

13.1. Waste treatment methods

Transfer to a suitable container and arrange for collection by specialised disposal company. NB: The user's attention is drawn to the possible existence of regional and antional regulations regarding disposal.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1993

14.2. UN proper shipping name

Proper Shipping Name FLAMMABLE LIQUID N.O.S

14.3. Transport hazard class(es)

ADR/RID/ADN Class 3

14.4. Packing group

ADR/RID/ADN Packing group III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

14.6. Special precautions for user

No special precautions.

Tunnel Restriction Code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Legislation

15.2. Chemical Safety Assessment
A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION

General information
This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

Revision Comments
This is first issue.

Issued By
B.A Hayden HSQE Manager

Revision Date
02/12/12

Revision
1

Supersedes date
No previous

SDS No.
10955

Safety Data Sheet Status
Approved.

Date
issued: 2/3/12

Risk Phrases In Full
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R11 Highly flammable
R38 Irritating to skin.
R41 Risk of serious damage to eyes.

Hazard Statements In Full
H318 Causes serious eye damage.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H225 Highly flammable liquid and vapour.
H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.

Disclaimer
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