

# Corona Supplies Ltd

for all your corona needs

<b>SAFETY DATA SHEET</b>	<b>Surface Tension Test Ink (Blue) Dynes/cm 31-39</b>	<b>SDS Reference</b> 03
<b>Version No.</b> 1	<b>First issue date</b> 13-03-2008	<b>Revision date</b> 03-06-2008

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

<b>Product Name</b>	<b>Surface Tension Test Ink (Blue)</b>		
<b>Product Usage</b>	For wetting tension 31-39 dynes/cm		
<b>Company Identification</b>	Corona Supplies Unit G Howland Road Business Park, Thame, Oxon England, OX9 3GQ	WEB: <a href="http://www.coronasupplies.co.uk">www.coronasupplies.co.uk</a>	<b>Telephone</b> 01844 261779 <b>Fax No</b> 01844 358187
<b>Emergency Telephone No.</b>	01844 261779 (Not 24 hrs)	<b>Competent Person:</b> <a href="mailto:sales@coronasupplies.co.uk">sales@coronasupplies.co.uk</a>	

## 2. HAZARDS IDENTIFICATION

**Physical & Chemical:** FLAMMABLE

**Health:** TOXIC. MAY IMPAIR FERTILITY. MAY CAUSE HARM TO THE UNBORN CHILD. HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED. THE PRODUCT CONTAINS SUBSTANCES THAT HAVE A WORKPLACE EXPOSURE LIMIT.

**Environmental:** ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO BE HARMLESS TO THE ENVIRONMENT IF HANDLED IN THE CORRECT MANNER.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation** MIXTURE OF ORGANIC SOLVENTS PLUS BLUE DYE

<u>Hazardous Substances</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
2-ETHOXYETHANOL	110-80-5	203-804-1	Repr Cat 2: R60, 61 Xn: R20/21/22	41-98%
FORMAMIDE	75-12-7	200-842-0	Repr Cat 2: R61	2-59%

## 4. FIRST AID MEASURES

<b>General information</b>	Remove contaminated clothing immediately, to be disposed of or washed before re-use.
<b>Inhalation</b>	Remove casualty to fresh air and provide warmth and rest; if necessary, seek medical advice
<b>Skin contact</b>	Clean areas of skin affected with soap and plenty of water; if necessary, seek medical advice.
<b>Eye contact</b>	Immediately wash out eye thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists) consult an eye specialist/ophthalmologist.
<b>Ingestion</b>	Drink plenty of water and if necessary seek medical advice. Do not induce vomiting.

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## 5. FIRE FIGHTING MEASURES

<b>General hazard</b>	The product is FLAMMABLE
<b>Extinguishing media</b>	To suit local surroundings (e.g. water spray, carbon dioxide, foam, chemical powder)
<b>Extinguishing media not to be used</b>	None known
<b>Special exposure hazards</b>	Decomposition products released in a fire should be considered as probably harmful if inhaled.
<b>Protective equipment</b>	Wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Methods for cleaning up</b>	Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust, into tightly closed containers. Label container and dispose of as prescribed.
<b>Environmental considerations</b>	Do not allow to get into wastewater or waterways; if this occurs, inform the relevant water authority at once.

## 7. HANDLING & STORAGE

<b>Advice on safe handling</b>	Handle in accordance with good hygiene and safety practice. Keep away from incompatible substances.
<b>Storage conditions</b>	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry, and away from incompatible substances.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure controls</b>	Workplace Exposure Limits (WELs) have been assigned by the HSE (EH40/2005). <table> <tr> <td>LTEL (8 hour TWA):</td> <td>20</td> <td>ppm</td> <td>37</td> <td>mg/m<sup>3</sup></td> <td>WEL for formamide</td> </tr> <tr> <td>STEL (15min):</td> <td>30</td> <td>ppm</td> <td>56</td> <td>mg/m<sup>3</sup></td> <td>WEL for formamide</td> </tr> <tr> <td>LTEL (8 hour TWA):</td> <td>10</td> <td>ppm</td> <td>37</td> <td>mg/m<sup>3</sup></td> <td>WEL for 2-ethoxyethanol</td> </tr> </table>	LTEL (8 hour TWA):	20	ppm	37	mg/m <sup>3</sup>	WEL for formamide	STEL (15min):	30	ppm	56	mg/m <sup>3</sup>	WEL for formamide	LTEL (8 hour TWA):	10	ppm	37	mg/m <sup>3</sup>	WEL for 2-ethoxyethanol
LTEL (8 hour TWA):	20	ppm	37	mg/m <sup>3</sup>	WEL for formamide														
STEL (15min):	30	ppm	56	mg/m <sup>3</sup>	WEL for formamide														
LTEL (8 hour TWA):	10	ppm	37	mg/m <sup>3</sup>	WEL for 2-ethoxyethanol														
<b>Engineering controls</b>	Provide local exhaust ventilation. Take measures against the build up of electrostatic charges																		
<b>Personal protection</b>	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Avoid inhalation of vapour and contact with eyes and skin Risks to pregnant women and those of child bearing age should be assessed. Wear personal protective equipment appropriate to the task (see below)																		
<b>Eye protection</b>	Safety goggles																		
<b>Skin protection</b>	Gloves (Natural latex, 2.6mm, breakthrough time 308 mins.) Also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken and degradation, tasks undertaken																		
<b>Respiratory protection</b>	Approved respirator (e.g. EN 149:2001 FFP3) if ventilation is insufficient.																		
<b>Other protection</b>	Protective overall																		

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## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical form</b>	Liquid
<b>Colour</b>	Blue
<b>Odour</b>	Ethereal
<b>pH</b>	Not applicable.
<b>Boiling pt / range</b>	From 135 °C
<b>Melting pt / range</b>	-90 to 3. °C
<b>Flash point</b>	From 43 °C
<b>Specific gravity</b>	Not determined.
<b>Explosive limits</b>	Lower: 1.7 % (v/v) Higher: 15.6 % (v/v) Data for 2-ethoxyethanol @93°C
<b>Explosive limits</b>	Lower: 2.7 % (v/v) Higher: 19 % (v/v) Data for formamide
<b>Viscosity</b>	Not determined.
<b>Water solubility</b>	Miscible

## 10. STABILITY & REACTIVITY

<b>Stability</b>	Stable under normal conditions of handling.
<b>Thermal decomposition</b>	Not determined.
<b>Conditions to avoid</b>	Heat, light, moisture
<b>Material to avoid</b>	The product is incompatible with bases, acids, strong oxidising agents, aluminium and carbon steel
<b>Hazardous reactions</b>	Peroxide formation is possible leading to explosion if subjected to heat or shock.
<b>Hazardous decomposition products</b>	Oxides of carbon and nitrogen, peroxide, HCN, formic acid, ammonia.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	LD <sub>50</sub> rat (oral)	2125 mg/kg	Data for 2-ethoxyethanol
	LD <sub>50</sub> rat (dermal)	3900 mg/kg	Data for 2-ethoxyethanol
	LD <sub>50</sub> rabbit (dermal)	3.6 mg/kg	Data for 2-ethoxyethanol
	LD <sub>50</sub> rat (oral)	5577 mg/kg	Data for formamide
	LD <sub>50</sub> rabbit (dermal)	17000 mg/kg	Data for formamide
<b>Dermal compatibility</b>	Not determined		
<b>Mucous membrane compatibility</b>	50 mg MLD – rabbit eye (data for 2-ethoxyethanol)		

## 12. ECOLOGICAL INFORMATION

<b>Acute toxicity</b>	LC <sub>50</sub>	Fish (blue gill)	> 10,000 mg/l	96 hours (2-ethoxyethanol)
<b>Degradability</b>	No data available.			
<b>Further information</b>	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.			

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### 13. DISPOSAL CONSIDERATIONS

<b>Advice on disposal</b>	In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
<b>Contaminated packaging</b>	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

### 14. TRANSPORT INFORMATION

<b>United Nations number</b>	UN1171
<b>Packaging group</b>	III
<b>IMDG code</b>	3/1171/III
<b>RID / ADR</b>	3, III
<b>Marine pollutant</b>	The product should not be marked as a marine pollutant.
<b>Proper shipping name</b>	ETHYLENE GLYCOL MONOMETHYL ETHER SOLUTION
<b>Emergency action code</b>	2Y

### 15. REGULATORY INFORMATION

<b>Classification &amp; labelling</b>	The product is classified as TOXIC in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3.1] as amended, and the Dangerous Preparations Directive (1999/45/EC) Contains 2-ethoxyethanol, formamide
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#### Restricted to professional users

<b>Risk phrases</b>	R60 MAY IMPAIR FERTILITY. R61 MAY CAUSE HARM TO THE UNBORN CHILD. R10 FLAMMABLE R20/21/22 HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED
<b>Safety phrases</b>	S53 AVOID EXPOSURE - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. S45 IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

### 16. OTHER INFORMATION

#### Further information

#### Risk phrases for the components (given in section 3)

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed  
R60: May impair fertility.  
R61: May cause harm to the unborn child.

**Sources of data** Other suppliers' safety data sheets, Approved Supply List, EH40/2005

**Date of issue** 13-03-2008

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**16. OTHER INFORMATION**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use.

Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, insequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.