

<b>SAFETY DATA SHEET</b>	<b>Surface Tension Test Ink (Green) Dynes/cm 30-38</b>	<b>SDS Reference</b> 01
<b>Version No.</b> 3	<b>First issue date</b> 30-09-2005	<b>Revision date</b> 01-06-2015

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

<b>1.1 Product Identifier</b>	<b>Surface Tension Test Ink (Green)</b>		
<b>1.2 Relevant Use(s)/misuse(s)</b>	For wetting tension 26-38 dynes/cm		
<b>1.3 SDS Supplier</b>	<b>Corona Supplies Ltd</b>	<b>WEB: <a href="http://www.coronasupplies.co.uk">www.coronasupplies.co.uk</a></b>	
	<b>Unit G Howland Road Business Park</b>	<b>Telephone</b>	+44 (0) 1844 261779
	<b>Howland Road Business Park, Thame,</b>	<b>Fax No</b>	+44 (0) 1844 358187
	<b>Oxon, England, OX9 3GQ</b>		
<b>1.4 Emergency Telephone No:</b>	+44(0)1844 261779 (Not 24 hrs)	<b>Competent Person:</b>	trevor@rising-hsande.co.uk

## 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE MIXTURE

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)


Acute Tox 4 H302

#### 2.1.2 Additional information

See section 16 for full text of Hazard statements

### 2.2 LABEL ELEMENTS

#### 2.2.1 Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)

<b>Pictogram(s):</b>		<b>Signal word</b>	WARNING
<b>Hazard statement(s)</b>	H302	HARMFUL IF SWALLOWED	
<b>Precautionary statement(s)</b>	P281 P301+312	USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. IF SWALLOW: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.	

#### 2.3 OTHER HAZARDS

THE PREPARATION CONTAINS SUBSTANCES THAT HAVE A WORKPLACE EXPOSURE LIMIT (WEL)

<b>Product Name:</b>	<b>Surface Tension Test Ink (Green) 26-38 Dynes/cm</b>	<b>SDS Reference</b>	01
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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation**      AQUEOUS MIXTURE OF ORGANIC SOLVENTS PLUS GREEN DYE

<u>Hazardous Substances</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>CLP Classification</u>	<u>Concentration</u>
2-PROPANOL	67-63-0	200-661-7	Flam. Liq. H225; Eye Irrit. 2 H319; STOT SE3 H336	5-20%
2,2'-OXYDIETHANOL	111-46-6	203-872-2	Acute Tox. 4 H302	30-70%

### 4. FIRST AID MEASURES

#### 4.1 Description of measures

<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. Seek medical advice.
<b>Eye contact</b>	Wash out eye thoroughly with plenty of water until irritation subsides. Consult an eye specialist/ophthalmologist.
<b>Ingestion</b>	If product is swallowed, do NOT induce vomiting. Drink plenty of water; if necessary seek medical advice.

**4.2 Most important effects/symptoms**      None known. .

**4.3 Immediate/special treatment**      Treatment as described above.

### 5. FIRE FIGHTING MEASURES

<b>5.1 Extinguishing media</b>	To suit local surroundings (e.g. water spray, carbon dioxide, foam, chemical powder).
<b>5.2 Special hazards</b>	The product is non flammable but combustible. Decomposition products released in a fire should be considered as probably harmful if inhaled.
<b>5.3 Advice for fire fighters</b>	Wear self-contained breathing apparatus

### 6. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions</b>	Adhere to personal protective measures.
<b>6.2 Environmental precautions</b>	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
<b>6.3 Methods and materials for cleaning up</b>	Take up with absorbent material, e.g. sand, sawdust, into tightly closed containers.. Label container and dispose of as prescribed.
<b>6.4 Reference to other sections</b>	See section 8 for personal protective equipment.

### 7. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	Handle in accordance with good hygiene and safety practice. Keep away from incompatible substances.
<b>7.2 Conditions for safe storage</b>	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry.
<b>7.3. Specific end use(s)</b>	For wetting tension 26-38 dynes/cm

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>8.1 Controls parameters</b>	Workplace Exposure Limits (WELs) have been assigned by the HSE (EH40/2005). LTEL (8 hour TWA): 400 ppm 999 mg/m <sup>3</sup> WEL for 2-propanol STEL (15min): 500 ppm 1250 mg/m <sup>3</sup> WEL for 2-propanol LTEL (8 hour TWA): 23 ppm 101 mg/m <sup>3</sup> WEL for 2.2 oxydiethanol
<b>8.2 Exposure controls</b>	
<b>Engineering controls</b>	Provide adequate ventilation (e.g. local exhaust ventilation). Take measures against the build up of static electricity.
<b>Personal protection</b>	Observe normal standards for handling chemicals. Avoid inhalation, and contact with eyes and skin Wear personal protective equipment appropriate to the task (see below)
<b>Eye protection</b>	Safety goggles if splashing
<b>Skin protection</b>	Chemical resistant gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion 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



**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>9.1 Basic physical and chemical properties</b>	
<b>Physical form</b>	Liquid
<b>Colour</b>	Green Food Colour 1%
<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>	>63 °C
<b>Flammability</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Explosion limits</b>	Not determined
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temp.</b>	Not applicable
<b>Relative density</b>	Not determined
<b>Viscosity</b>	Not determined

<b>Product Name:</b>	<b>Surface Tension Test Ink (Green) 26-38 Dynes/cm</b>	<b>SDS Reference</b>	01
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<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Vapour pressure</b>	Not applicable
<b>Vapour density</b>	Not applicable
<b>Water solubility</b>	miscible
<b>Explosive limits</b>	Lower: 1.8 % (v/v) Higher: 14 % (v/v) Data for 2-propanol
<b>Oxidising properties</b>	Not determined
<b>Partition coeff. Log<sub>Oct/water</sub></b>	Not determined
<b>9.2 Other information</b>	The product is soluble in toluene, acetone, methyl ethyl ketone

<b>10. STABILITY AND REACTIVITY</b>
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<b>10.1 Reactivity</b>	Not determined
<b>10.2 Chemical stability</b>	Stable under normal conditions of handling.
<b>10.3 Hazardous reactions</b>	Not determined
<b>10.4 Conditions to avoid</b>	Not determined
<b>10.5 Incompatible material</b>	The product is incompatible with bases, acids, strong oxidising agents, copper and its alloys
<b>10.6 Hazardous decomposition products</b>	Oxides of carbon and nitrogen.

<b>11. TOXICOLOGICAL INFORMATION</b>
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<b>11.1 information on toxicological effects</b>			
<b>Acute toxicity</b>	LD <sub>50</sub> rat (oral)	12565 mg/kg	Data for 2.2 oxydiethanol
	LD <sub>50</sub> rabbit (dermal)	11890 mg/kg	Data for 2.2 oxydiethanol
	LD <sub>50</sub> rat (oral)	5045 mg/kg	Data for 2-propanol
	LD <sub>50</sub> rabbit (dermal)	12800 mg/kg	Data for 2-propanol
<b>Dermal compatibility</b>	500 mg MLD – rabbit skin (data for 2.2 oxydiethanol)		
<b>Mucous membrane compatibility</b>	50 mg MLD – rabbit eye (data for 2.2 oxydiethanol)		
	100 mg SEV – rabbit eye (data for 2-propanol)		

<b>12. ECOLOGICAL INFORMATION</b>
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<b>12.1 Toxicity</b>	LC <sub>50</sub>	Aquatic organisms	mg/l	No data available
<b>12.2 Degradability</b>	No data available .			
<b>12.3 Bioaccumutive potential</b>	No data available			
<b>12.4 Mobility in soil</b>	Not determined			
<b>12.5 PBT/vPvB assessment</b>	Does not meet criteria.			
<b>12.6 Other adverse effects</b>	None known.			

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<b>13. DISPOSAL CONSIDERATIONS</b>
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**13.1 Waste treatment measures**

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

<b>14. TRANSPORT INFORMATION</b>
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<b>14.1 United Nations number ADR, IMDG, IATA</b>	Not classified
<b>14.2 Proper shipping name ADR, IMDG, IATA</b>	Not classified
<b>14.3 Transport class(s) ADR, IMDG, IATA</b>	Not classified
<b>14.4 Packing group ADR, IMDG, IATA</b>	Not classified
<b>14.5 Environmental hazards ADR, IMDG, IATA</b>	The product should NOT be marked as an environmentally hazardous substance
<b>14.6 Special procedures ADR, IMDG, IATA</b>	Not applicable
<b>14.7 Transport in bulk ADR, IMDG, IATA</b>	Not applicable

<b>15. REGULATORY INFORMATION</b>
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<b>15.1 Safety, health and environmental regulations</b>	The product is classified in accordance with EC Regulation 1272/2008 (CLP), Other regulatory information and provisions are not applicable for this product.
<b>15.2 Chemical safety assessment</b>	The product has not been the subject of a Chemical Safety Report

**Further information** The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP),

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

- H225: Highly flammable liquid and vapour
- H302: Harmful if swallowed
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.

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

**Date of issue** 01-06-2015

<b>Product Name:</b>	<b>Surface Tension Test Ink (Green) 26-38 Dynes/cm</b>	<b>SDS Reference</b>	<b>01</b>
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Safety data sheet prepared by Rising HS&E Services.