

Corona Supplies Ltd

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SAFETY DATA SHEET	Surface Tension Test Ink (Green) Dynes/cm 28-38	SDS Reference 01
Version No. 2	First issue date 30-09-2005	Revision date 03-06-2008

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name	Surface Tension Test Ink (Green)		
Product Usage	For wetting tension 28-38 dynes/cm		
Company Identification	Corona Supplies Unit G Howland Road Business Park, Thame, Oxon England, OX9 3GQ	WEB: www.coronasupplies.co.uk	Telephone 01844 261779 Fax No 01844 358187
Emergency Telephone No.	01844 261779 (Not 24 hrs)	Competent Person: sales@coronasupplies.co.uk	

2. HAZARDS IDENTIFICATION

Physical & Chemical: NON HAZARDOUS

Health: HARMFUL 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 AQUEOUS MIXTURE OF ORGANIC SOLVENTS PLUS GREEN DYE

<u>Hazardous Substances</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
2-PROPANOL	67-63-0	200-661-7	Xi: R36, R67	5-20%
2,2 OXYDIETHANOL	111-46-6	203-872-2	Xn: R22	30-70%

4. FIRST AID MEASURES

Inhalation	Remove casualty to fresh air and provide warmth and rest; if necessary, seek medical advice
Skin contact	Clean areas of skin affected with soap and plenty of water; if necessary, seek medical advice.
Eye contact	Immediately wash out eye thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists) consult an eye specialist/ophthalmologist.
Ingestion	Drink plenty of water and if necessary seek medical advice.

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5. FIRE FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	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.
Environmental considerations	Do not allow to get into wastewater or waterways; if this occurs, inform the relevant water authority at once.

7. HANDLING & STORAGE

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	Workplace Exposure Limits (WELs) have been assigned by the HSE (EH40/2005). LTEL (8 hour TWA): 400 ppm 999 mg/m ³ WEL for 2-propanol STEL (15min): 500 ppm 1250 mg/m ³ WEL for 2-propanol LTEL (8 hour TWA): 23 ppm 101 mg/m ³ WEL for 2.2 oxydiethanol
Engineering controls	Provide local exhaust ventilation.
Personal protection	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Avoid inhalation of vapour and contact with eyes and skin Wear personal protective equipment appropriate to the task (see below)
Eye protection	Safety goggles
Skin protection	Gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Approved respirator (e.g. EN 149:2001 FFP3) if ventilation is insufficient.
Other protection	Protective overall

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9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Liquid
Colour	Green Food Colour 1%
Odour	Ethereal
pH	Not applicable.
Boiling pt / range	From 135 °C
Melting pt / range	-90 to 3. °C
Flash point	> 63 °C
Specific gravity	Not determined.
Explosive limits	Lower: 1.8 % (v/v) Higher: 14 % (v/v) Data for 2-propanol
Viscosity	Not determined.
Water solubility	Miscible

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	Not determined.
Conditions to avoid	Not determined.
Material to avoid	The product is incompatible with bases, acids, strong oxidising agents, copper and its alloys
Hazardous reactions	None known
Hazardous decomposition products	Oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral)	12565 mg/kg	Data for 2.2 oxydiethanol
	LD ₅₀ rabbit (dermal)	11890 mg/kg	Data for 2.2 oxydiethanol
	LD ₅₀ rat (oral)	5045 mg/kg	Data for 2-propanol
	LD ₅₀ rabbit (dermal)	12800 mg/kg	Data for 2-propanol
Dermal compatibility	500 mg MLD – rabbit skin (data for 2.2 oxydiethanol)		
Mucous membrane compatibility	50 mg MLD – rabbit eye (data for 2.2 oxydiethanol)		
	100 mg SEV – rabbit eye (data for 2-propanol)		

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀	Aquatic organisms	mg/l	No data available.
Degradability	No data available.			
Further information	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

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

14. TRANSPORT INFORMATION

United Nations number	Not classified for transport.
Packaging group	
IMDG code	
RID / ADR	
Marine pollutant	The product should not be marked as a marine pollutant .
Proper shipping name	

15. REGULATORY INFORMATION

Classification & labelling	The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 2002] as amended, and the Dangerous Preparations Directive (1999/45/EC) Contains 2.2 oxydiethanol	
Risk phrases	R22	HARMFUL IF SWALLOWED
Safety phrases	S25	AVOID CONTACT WITH EYES

16. OTHER INFORMATION

Further information The SDS has been revised in the following sections: 2; 3; 15

Risk phrases for the components (given in section 3)

R22: Harmful if swallowed
R36: Irritating to eyes
R67: Vapours may cause drowsiness and dizziness.

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

Date of issue 29-09-2007

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