



SAFETY DATA SHEET	Surface Tension Test Ink (Green) Dynes/cm 26-38	SDS Reference 01
Version No. 3	First issue date 30-09-2005	Revision date 01-06-2015

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

1.1 Product Identifier	Surface Tension Test Ink (Green)		
1.2 Relevant Use(s)/misuse(s)	For wetting tension 26-38 dynes/cm		
1.3 SDS Supplier	Vetaphone A/S	WEB: www.vetaphone.com	
	Fabriksvej 11	Telephone	+4576300333
	Kolding, Denmark		
	DK-6000		
1.4 Emergency Telephone No:	+4576300333 (Not 24 hrs)	Competent Person:	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)

Pictogram(s):		Signal word
Hazard statement(s)	H302 HARMFUL IF SWALLOWED	WARNING
Precautionary statement(s)	P281 USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. P301+312 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)

Product Name:	Surface Tension Test Ink (Green) 26-38 Dynes/cm	SDS Reference	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

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. Seek medical advice.
Eye contact	Wash out eye thoroughly with plenty of water until irritation subsides. Consult an eye specialist/ophthalmologist.
Ingestion	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

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

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Controls parameters	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
8.2 Exposure controls	
Engineering controls	Provide adequate ventilation (e.g. local exhaust ventilation). Take measures against the build up of static electricity.
Personal protection	Observe normal standards for handling chemicals. Avoid inhalation, and contact with eyes and skin Wear personal protective equipment appropriate to the task (see below)
Eye protection	Safety goggles if splashing
Skin protection	Chemical resistant 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



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and 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
Flammability	Not applicable
Evaporation rate	Not applicable
Explosion limits	Not determined
Auto-ignition temperature	Not applicable
Decomposition temp.	Not applicable
Relative density	Not determined
Viscosity	Not determined

Product Name:	Surface Tension Test Ink (Green) 26-38 Dynes/cm	SDS Reference	01
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9. PHYSICAL AND CHEMICAL PROPERTIES

Vapour pressure	Not applicable
Vapour density	Not applicable
Water solubility	miscible
Explosive limits	Lower: 1.8 % (v/v) Higher: 14 % (v/v) Data for 2-propanol
Oxidising properties	Not determined
Partition coeff. Log_{Oct/water}	Not determined
9.2 Other information	The product is soluble in toluene, acetone, methyl ethyl ketone

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

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

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

Product Name:	Surface Tension Test Ink (Green) 26-38 Dynes/cm	SDS Reference	01
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13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations	The product is classified in accordance with EC Regulation 1272/2008 (CLP), Other regulatory information and provisions are not applicable for this product.
15.2 Chemical safety assessment	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),
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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
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Date of issue	01-06-2015
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Product Name:	Surface Tension Test Ink (Green) 26-38 Dynes/cm	SDS Reference	01
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Safety data sheet prepared by Rising HS&E Services.