



Chemical Products Division



# SAFETY DATA SHEET

## Ink Read/Color Fresh

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

**PRODUCT NAME** Ink Read/Color Fresh  
**PRODUCT NO.** 8344  
**SUPPLIER** Varn Products Company Limited  
 Varn House, Northbank Industrial Estate,  
 Irlam, Greater Manchester,  
 M44 5BL  
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### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
PROPANE	200-827-9	74-98-6	10-30%	F+;R12
BUTANE	203-448-7	106-97-8	5-10%	F+;R12
XYLENE	215-535-7	1330-20-7	1-5%	R10 Xn;R20/21 Xi;R38
1,2,4-TRIMETHYLBENZENE	202-436-9	95-63-6	1-5%	R10 Xn;R20 Xi;R36/37/38 N;R51,R53
ISOBUTANE	200-857-2	75-28-5	1-5%	F+;R12
NAPHTHA (PETROLEUM), HYDRODESULPHURISED HEAVY (1)	265-185-4	64742-82-1	30-50%	Xn;R65. N;R51/53. R10,R66,R67.

The Full Text for all R-Phrases are Displayed in Section 16

### 3 HAZARDS IDENTIFICATION

Highly flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**CLASSIFICATION** F;R11. N;R51/53. R66,R67.

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

#### INGESTION

Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention if any discomfort continues.

#### SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

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## EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Use: Carbon dioxide (CO<sub>2</sub>).

### SPECIAL FIRE FIGHTING PROCEDURES

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

### UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in fires.

## 6 ACCIDENTAL RELEASE MEASURES

### SPILL CLEAN UP METHODS

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

### STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed for direct sunlight or temperatures above 50°C.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m <sup>3</sup>	ST - ppm	ST - mg/m <sup>3</sup>
BUTANE	OES	600 ppm	1450 mg/m <sup>3</sup>	750 ppm	1810 mg/m <sup>3</sup>
XYLENE	OES	50 ppm(Sk)	220 mg/m <sup>3</sup> (Sk)	100 ppm(Sk)	441 mg/m <sup>3</sup> (Sk)
NAPHTHA (PETROLEUM), HYDRODESULPHURISED HEAVY (1)	OES	100 ppm	600 mg/m <sup>3</sup>		

### INGREDIENT COMMENTS

OES = Occupational Exposure Standard.

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit

### HAND PROTECTION

No specific hand protection noted, but gloves may still be advisable.

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## EYE PROTECTION

No specific eye protection noted, but may be required anyway.

## OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

## HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol
COLOUR	Colourless
ODOUR	Hydrocarbon
SOLUBILITY	Insoluble in water
FLASH POINT (°C)	2

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

### MATERIALS TO AVOID

Oxidising Agents

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 11 TOXICOLOGICAL INFORMATION

### INHALATION

May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea.

### INGESTION

May cause discomfort if swallowed.

### SKIN CONTACT

Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

### EYE CONTACT

Direct contact with the eyes may cause slight irritation.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Volatile Organic Content (%) is equal to <60%

### WATER HAZARD CLASSIFICATION

Germany : WGK 2

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION

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<b>PROPER SHIPPING NAME</b>	AEROSOLS		
<b>ADR CLASS NO.</b>	2.1	<b>ADR CLASS</b>	2
<b>ADR LABEL NO.</b>	2.1	<b>RID CLASS NO.</b>	2.1
<b>UN NO. SEA</b>	1950	<b>IMDG CLASS</b>	2
<b>EMS</b>	2-13	<b>UN NO. AIR</b>	1950
<b>ICAO CLASS</b>	2		

## 15 REGULATORY INFORMATION

### LABELLING



Highly  
Flammable



Dangerous for  
the  
environment

### RISK PHRASES

R11	Highly flammable.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

### SAFETY PHRASES

S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S36/37	Wear suitable protective clothing and gloves.
S51	Use only in well-ventilated areas.
	Caution: Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 DegC. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

### EU DIRECTIVES

Dangerous Substances Directive (67/548/EEC). Dangerous Preparations Directive (1999/45/EC). Safety Data Sheets Directive (91/155/EEC) (As amended).

### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

### APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

### GUIDANCE NOTES

Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

## 16 OTHER INFORMATION

# Ink Readi/Color Fresh

## REVISION COMMENTS

General update / Section 3 / Section 5 / Section 9 / Section 10 / Section 11 / Section 14 / Section 15 /

## ISSUED BY

Varn Products Laboratory

REVISION DATE 12/01/04

REV. NO./REPL. SDS 14/11/02

## GENERATED

SDS NO. 3

## RISK PHRASES IN FULL

R10 Flammable.  
R12 Extremely flammable.  
R20 Harmful by inhalation.  
R20/21 Harmful by inhalation and in contact with skin.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R38 Irritating to skin.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

## DISCLAIMER

The information in this material Safety Data Sheet is based on the present state of our knowledge and on the current EC and National Regulations. The information relates to the specific product designated and may not be valid if it is used in combination with other materials or process. Nothing herein is to be construed as warranty, expressed or implied. It is always the responsibility of the user to take the necessary steps in order to fulfil the demands laid down in the rules and legislation. The product is for Industrial use only.