



SAFETY DATA SHEET

Linx Solvent for specialist pigmented inks 1605

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME Linx Solvent for specialist pigmented inks 1605
PRODUCT NO. 1605
APPLICATION Solvent for Linx® inkjet printers
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BUTANONE	201-159-0	78-93-3	60-100%	F;R11 Xi;R36 R66 R67
ETHANOL	200-578-6	64-17-5	10-30%	F;R11

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

3 HAZARDS IDENTIFICATION

Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

CLASSIFICATION Xi;R36. F;R11. R66, R67.

4 FIRST-AID MEASURES

GENERAL INFORMATION

Get medical attention if any discomfort continues. Do not give victim anything to drink if they are unconscious.

INHALATION

Move the exposed person to fresh air at once. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Provide rest, warmth and fresh air. Get medical attention immediately!

SKIN CONTACT

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes and get medical attention.

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12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Not regarded as dangerous for the environment.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand, dispose in licensed special waste.

WASTE CLASS

European Waste Catalogue Number (2000/532/EC): 08 03 12

14 TRANSPORT INFORMATION**PROPER SHIPPING NAME****PRINTING INK RELATED MATERIALS**

UN NO. ROAD	1210	ADR CLASS NO.	3 - F1
ADR CLASS	Class 3: Flammable liquids.	ADR LABEL NO.	3
HAZCHEM CODE	3YE	RID CLASS NO.	3
UN NO. SEA	1210	IMDG CLASS	3
IMDG PACK GR.	II	EMS	F-E, S-D
MARINE POLLUTANT	No.	UN NO. AIR	1210
ICAO CLASS	3	AIR PACK GR.	II

15 REGULATORY INFORMATION**LABELLING**

Irritant



Highly Flammable

RISK PHRASES

R11	Highly flammable.
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S51	Use only in well-ventilated areas.

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

HAND PROTECTION

Protective gloves must be used if there is a risk of direct contact or splash. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Rubber gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin 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. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid		
COLOUR	Colourless		
ODOUR	Characteristic of solvents		
VOLATILITY DESCRIPTION	Volatile.		
SOLUBILITY	Slightly soluble in water.		
BOILING POINT (°C)	c. 80 @ 760 mm Hg	MELTING POINT (°C)	c. -86
RELATIVE DENSITY	0.85 - 0.90 @ 20°C	VAPOUR DENSITY (air=1)	c. 2.4
VAPOUR PRESSURE	c. 78 mmHg @ 20°C	EVAPORATION RATE	> BuAc (BuAc=1)
VISCOSITY	c. 0.3 - 1.0 mPas @ 20°C	FLASH POINT (°C)	c. -6 CC (Closed cup).
AUTO IGNITION	c. 515	FLAMMABILITY LIMIT - LOWER(%)	c. 1.8 (%v/v)
TEMPERATURE (°C)			
FLAMMABILITY LIMIT - UPPER(%)	c. 11.5 (%v/v)		

10 STABILITY AND REACTIVITY**STABILITY**

No particular stability concerns.

CONDITIONS TO AVOID

Avoid heat. Avoid contact with oxidisers or reducing agents. Avoid contact with acids and alkalies.

HAZARDOUS POLYMERISATION

Will not polymerise.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Asphyxiating gases/vapours/fumes of: Carbon dioxide (CO₂), Carbon monoxide (CO), Nitrous gases (NO_x).

11 TOXICOLOGICAL INFORMATION**INHALATION**

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Drowsiness, dizziness, disorientation, vertigo.

INGESTION

Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Nausea, vomiting, Diarrhoea.

SKIN CONTACT

Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking.

EYE CONTACT

Irritating to eyes. Vapour or spray may cause temporary (reversible) eye damage.

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S60

This material and its container must be disposed of as hazardous waste.

UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health (COSHH) Regulations 2002 (S.I. 2002 No 2677). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP 3) (S.I. 2002 No 1689)

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EEC. System of specific information relating to Dangerous Preparations. 2001/58/EEC.

APPROVED CODE OF PRACTICE

The Approved Code of Practice on Safety Data Sheets L130 (3rd Edition). The Approved Classification and Labelling Guide (ACLG) L131 (5th Edition).

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP3 for everyone HSG(228).

16 OTHER INFORMATION

REVISION COMMENTS

Multiple language edition

ISSUED BY

Paul Doody

REVISION DATE v3; 30/09/2004

REV. NO./REPL. SDS v2; 30/07/2002

GENERATED

SDS NO. MP80051

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R11 Highly flammable.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

DISCLAIMER

The information relates only to the specific material designated. Such information is, to the best of Linx's knowledge and belief, accurate and reliable, and is based on the present state of knowledge and current legislation as of the date indicated. As the specific conditions of use of the product are outside of Linx's control, it remains the sole responsibility of the end-user to satisfy themselves as to the suitability of such information for their own particular use and to ensure that the requirements of any relevant legislation are complied with.