



U.S. Material Safety Data Sheet

European Safety Data Sheet

MSDS Number: 24 Rev. B	Date: May 24, 2005
Product name: ScanTrue™ II ink-jet ink	Page 1 of 5

Section 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Identifier: SCANTRUE™ II Ink-Jet Ink
Manufacturer Name and Address: Trident, an ITW Company.
1114 Federal Road
Brookfield, CT 06804-1140
Telephone: (203)740-9333 Fax: (203)740-3528
Emergency: Call CHEMTREC U.S. 1-800-424-9300/International 1-703-527-3887

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

DESCRIPTION: Pigment-based, black liquid ink

HAZARDOUS COMPONENTS	CAS#	%[wt/wt]	OSHA PEL** mg/m ³	ACGIH TLV** mg/m ³	NIOSH REL** mg/m ³	Symbol	R-phrases
Carbon black	1333-86-4	5-20	3.5	3.5	3.5	None	none
High boiling aliphatic distillate solvent	64742-80-9	5-20	none	none	none	Xn	R22,43 R36/37/38
Quinol	123-31-9	0-0.2	2mg/m ³	2 mg/m ³	2mg/m ³	Xn	R20/22
Non hazardous ingredients	Proprietary	60-80	none	none	none	none	none

Section 3: potential health effects. See section 11: available toxicity information. See section 15: regulatory information.

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Eye, skin, respiratory irritant. Harmful if swallowed.

HAZARD RATINGS: NFPA Health: 1 Flammability: 1 Reactivity: 0

POTENTIAL HEALTH AFFECTS

EYE CONTACT: Contact will cause irritation.
SKIN CONTACT: Irritating to the skin.
INGESTION: Data not available
INHALATION: Data not available
CHRONIC: None

MSDS Number: 24	Rev. B	Date: May 24, 2005
Product name: ScanTrue™ II - Black Ink		Page 2 of 5

Section 4: EMERGENCY AND FIRST AID MEASURES
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EYE CONTACT:	Immediately flush with water. Remove contact lenses. Flush with copious amounts of water for at least 20 minutes. Seek medical advice.
SKIN CONTACT:	Rinse with water then wash with plenty of soap and water for 15 minutes while removing contaminated clothing. Seek medical advice. Clean contaminated clothing and shoes before reuse.
INHALATION:	Remove to fresh air. If breathing difficult, give oxygen. If symptoms continue, seek medical advice.
INGESTION:	DO NOT INDUCE VOMITING. In any case of persistent irritation, seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES
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FLASHPOINT AND METHOD:	>104°C Closed Cup
FLAMMABLE LIMITS:	NA
AUTOIGNITION TEMPERATURE:	NA
EXTINGUISHING MEDIA:	foam, carbon dioxide, dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES:	Self contained breathing apparatus and full turnout gear. Limit access by unauthorized personnel.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Water fog may be used to cool containers, but is not recommended as an extinguishing agent, since it may cause boil-over or frothing.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon and nitrogen. Ammonia and unidentified organic compounds.

SECTION 6: ACCIDENTAL RELEASE MEASURES

GENERAL:	Wear skin, eye and respiratory protection.
SPILL:	Do not reuse empty container. Clean containers thoroughly before disposal. Spills should be cleaned up using appropriate absorbents. Dispose of waste material in accordance with applicable local, regional and national regulations.

SECTION 7: HANDLING AND STORAGE
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Store in cool [4-40°C], dry, well-ventilated area in sealed containers. Keep away from children. Wear appropriate protective clothing/ equipment when handling this material. Avoid contact with skin, eyes, and clothing. Practice good hygiene.

SECTION 8: EXPOSURE AND SPECIAL PROTECTION

EXPOSURE LIMITS: None are established for the ink. Exposure limits for the individual components are found in section 2.

MSDS Number: 24	Rev. B	Date: May 24, 2005
Product: ScanTrue™ II - Black ink		Page 3 of 5

ENGINEERING CONTROLS (ventilation):

General mechanical exhaust is probably adequate under normal use conditions. Airborne concentrations of components having published limits should be measured periodically. If airborne concentrations approach or exceed published exposure limits, use local exhaust.

PERSONAL PROTECTION

- RESPIRATORY PROTECTION:** If needed because airborne concentrations of the regulated components can not be maintained below the published limits, use NIOSH-MSHA approved respirator.
- EYE PROTECTION:** chemical goggles or safety glasses with side shields are recommended. If risk of splashing is significant, use a full-face shield.
- SKIN PROTECTION:** Always use gloves and lab coat. Arm covers and apron of an impervious material are indicated if contamination of arms and clothing seems likely.
- OTHER:** Eyewash and safety shower must be available nearby.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

FLASHPOINT & METHOD: est	>104°C	FLAMMABLE LIMITS:	NA
APPEARANCE:	black, liquid	AUTOIGNITION TEMPERATURE:	NA
VAPOR PRESSURE mm Hg est.	<0.004	pH:	approx. 9.0
SPECIFIC GRAVITY:	1.00	EVAPORATION RATE:(n-butyl acetate=1).	<1
SOLUBILITY:	slight	VAPOR DENSITY(air =1):	NA
PERCENT VOLATILES: Est.	<80%	BOILING POINT:	est. >350°F
Viscosity @ 25°C	20 cps	Freezing Point/Melting Point:	<-20°C

SECTION 10: STABILITY & REACTIVITY

STABILITY: Stable under normal operating conditions
HAZARDOUS POLYMERIZATION: has not been reported.
CONDITIONS TO AVOID: Avoid exposure to high temperatures.

MSDS Number: 24	Rev. B	Date: May 24, 2005
Product: ScanTrue™ II – Black ink		Page 4 of 5

INCOMPATIBILITY: Oxidizing agents(ie chlorates, bromates, nitrates), strong acids and alkalis.
HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen, ammonia and other unidentified organic compounds.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: The LD50 (oral,rat) for all components [except quinol] is >2 g/kg. The LD50 [oral, rat] of quinol is 320 mg/kg, however, the concentration of hydroquinone is < 1.0% in the ink, that a large quantity of the ink would need to be ingested before the hydroquinone could cause significant toxic effects.

SUBCHRONIC EFFECTS: None.
CHRONIC EFFECTS/CARCINOGENICITY:
AGENCIES: The ink is not listed
Component: Carbon black
OSHA: not listed NIOSH: not listed NTP: Not listed. IARC: 2B

Carbon black has been positive in some animal cancer studies and negative in others. There is not enough epidemiological evidence to support classifying carbon black as a human carcinogen. Consequently IARC has rated it as a possible human carcinogen. Carbon blacks contain a very low percentage of absorbed PAH's (poly nuclear aromatic hydrocarbons) which in the non-absorbed form have sometimes been found to be animal carcinogens. The carbon black used in this ink has <0.1% absorbed PAH's.

Component: Quinol
OSHA: not listed NIOSH: not listed IARC: 3

MUTAGENICITY: None known
REPRODUCTIVE EFFECTS: None known

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: none known
CHEMICAL FATE INFORMATION: none known

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of according to local, regional and national regulations.

SECTION 14: TRANSPORT INFORMATION (not meant to be all inclusive)

For quantities less than 10 kilograms:
GROUND TRANSPORT: Not regulated
AIR TRANSPORT: Not regulated
OCEAN TRANSPORT: Not regulated

SECTION 15: REGULATORY INFORMATION(Not meant to be all inclusive)

UNITED STATES
This product *does not* contain any ozone depleting substances(ODS). Nor were any ODS used in the manufacture of this product.
CONEG: The raw materials used to make this product do not contain mercury, lead, cadmium or hexavalent chromium.

MSDS Number: 24	Rev. B	Date: May 24, 2005
Product: ScanTrue™ II – Black Ink		Page 5 of 5

TSCA (Toxic Substances Control Act): All components are listed on the TSCA inventory

SARA[Superfund Amendments and Reauthorization Act] Title III:

40CFR355: Extremely hazardous chemicals in this product regulated under this statute that may require Threshold Planning:Quinol
CAS # 132-31-9

EPA hazard categories for this product are: Untested mixture with acute and chronic health hazards

CAAA - Components of this product regulated under the Clean Air Act Amendments of 1990:..... None

State Regulations

California SCMQAD: As defined by this law, the concentration of VOCs in this ink is estimated to be <80%.

Massachusetts 105CMR670 Right to Know Act: Components that could require reporting under this statute are:

Carbon black, CAS # 84-74-2,
Quinol, CAS # 123-31-9

Pennsylvania Right to Know Hazardous Substance list: Components of this ink that could require reporting are:

Carbon Black

New Jersey: Components regulated under this law:

Carbon black, Quinol.

CANADA

DSL/nDSL: All components are listed
WHMIS Classification: D2B - Materials causing other toxic effects.

EUROPEAN UNION

EINECS status: All components are listed.
CLASSIFICATION: This product is classified as harmful based on criteria found in EU Directives 67/548 and 88/379.

SECTION 16: OTHER INFORMATION.

REVISION SUMMARY: revised 5/24/05
Section 2 CAS#123-31-9 added for Quinol as well as % weight corrected.
Section 15 All ink components are listed on the TSCA inventory.
Quinol is a SARA Title III chemical
Quinol, and Carbon Black are chemicals that require reporting under MA,PA, and NJ Right To Know.

The information and recommendations contained in this document are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to this information.

Written by: Trident Inc. an ITW Company. Telephone: (203) 740-9333