Safety Data Sheet

Fingerprint Stain Ink

SECTION 1. *Product Identification and General Information*

Manufacturer: The Companies, Inc.
Manufacturer address: 3231 W. MacArthur Blvd., Santa Ana, CA 92704
Product Information: 1-800-969-6699
Emergency Contact /Phone Number:(24 Hour): 1-800-969-6699
Number (Outside U.S. and Canada): 1-714-979-1405
Chemical Name: FS-STAIN-INK Election Ink/Finger Stain Ink
Date SDS Prepared: 9/18/15

Relevant identified uses of the substance or mixture and uses advised against

Identified uses — Skin Staining Ink

Details of the supplier of the safety data sheet

SECTION 2. Hazards identification

GHS Classification

Eye irritation, Category 2, H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS-Labeling

Hazard pictograms

Signal Word

Warning

Hazard Statements

H319 Causes serious *eye* irritation.

Precautionary Statements

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do. Continue rinsing.

SECTION 3 *Composition/Information on Ingredients*

Contents	Percent by Weight	CAS No.	Trade Secret	Note
Tetrahydrofurfurl Alcohol	>50%	97-99-4	Y	

SECTION 4. First aid measures

Description of first-aid measures

Inhalation

After inhalation: fresh air.

Skin contact

After skin contact: wash off with plenty of water. Remove contaminated clothing.

Eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist.

Ingestion

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

irritant effects, narcosis

Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Water, Carbon dioxide (C02), Foam, Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture

Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapors possible in the event of fire.

Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Further infrmnation

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders: Protective equipment sea section 8.

Environmental precautions

Do not empty into drains.

Methods and materials for containment and cleaning up

Covar drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7 and 10).

Take up with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

SECTION 7. Handling and storage

Precautions for safe handling

Observe label precautions.

Conditions for safe storage, including any incompatibilities

Tightly closed.

Stora at +15'C to +25°C (+59°F to +77°F).

SECTION 8. Exposure controls/personal protection

Exposure limit(s)

Contains no substances with occupational exposure limit values.

Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

Individual protection measures

Protective clothing should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled. The chemical resistance of the protective equipment should be inquired at the respective supplier.

HygiBne measures

Change contaminated clothing. Application of skin- protective barrier cream recommended.
Wash hands after working with substance.

Eye/face protection

Safety glasses

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Other protective equipment:

protective clothing

Respiratory protection

required when vapors/aerosols are generated.
Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9. Physical and chemical properties

Physical state	liquid
Color	purple
Odor	odorless
Odor Threshold	not applicable
pH	No information available
Melting point	< -80 °C
Boiling point/boiling range	352 °F (178 °C) at 1,013 hPa
Flash point	167 °F (75 °C) Method: open cup
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Lower explosion limit	1.5 %(V)
Upper explosion limit	9.7 %(V)
Vapor pressure	1 hPa at 77 °F (25 °C)
Relative vapor density	3.5
Relative density	1.05 g/cm³ at 68 °F (20 °C)

Water solubility	at 68 °F (20 °C) soluble
Partition coefficient: n octanol/water	log Pow: -0.11 (calculated) Bioaccumulation is not expected (log Pow <1). (Lit.)
Autoignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity, dynamic	6.24 mPa.s at 68 °F (20 °C)
Explosive properties	Not classified as explosive.
Ignition temperature	540 °F (282 °C)

SECTION 10. Stability and reactivity

Reactivity

Forms explosive mixtures with air on intense heating.

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

Possibility of hazardous reactions

Risk of explosion with:

Risk of ignition or formation of inflammable gases or vapors with:

Oxidizing agents

Conditions to avoid

Strong heating.

A range from approx. 15 Kelvin below the flash point is to be rated as critical.

Incompatible materials

rubber, various plastics

Hazardous decomposition products

no information available

SECTION 11. Toxicological information

Information on toxicological effects

Likely route of exposure

Inhalation, Eye contact, Skin contact

Acute oral toxicity

LD50 rat: 1,600 mg/kg (RTECS) (Regulation (EC) No 1272/2008, Annex VI)

Symptoms: Irritation of mucous membranes

Acute inhalaUon toxicity

Symptoms: Possible damages:, mucosal irritations

Acute dennal toxicity

absorption

Skin inflation

slight irritation

Eye initaUon

rabbit

Result: slight irritation

(RTECS)

Causes serious eye irritation.

SensiUzation

Sensitization test: guinea pig

Result: negative

(HSDB)

Genotoxicity in vitro
Ames test
Result: negative
(Lit.)

Specific target organ systemic toxicity - single exposure
The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ systemic toxicity - repeated exposure
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard
Regarding the available data the classification criteria are not fulfilled.

Carcinogenicity

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
ACGIH	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Further information
Systemic effects:
After absorption:
narcosis, Lung edema
Damage to:
Liver, Kidney
Handle in accordance with good industrial hygiene and safety practice.

SECTION 12. Ecological information

Ecotoxicity

Toxicity to bacteria
microtox test EC50 Photobacterium phosphoreum: 1,600 mg/l; 15 min (Lit.)

Persistence and degradability

Biodegradability
96.1 %; 5 d
(HSDB)
Readily biodegradable.

Bioaccumulative potential

Partition coefficient: n-octanol/water
log Pow: -0.11
(calculated)
Bioaccumulation is not expected (log Pow <1). (Lit.)

Mobility in soil
No information available.

other adverse effects

SECTION 13. Disposalconsiderations

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. Illis the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

carcinogen by ACGIH.

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SECTION 14. Transport information

Land transport (Don

Not classified as dangerous in the meaning of transport regulations.

Air transport (IATA)

Not classified as dangerous in the meaning of transport regulations.

Sea transport (IMDG)

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. Regulatory Information

United States of America

Canada

WHMIS Classification

B3	Combustible Liquid
D2B	Toxic Material Causing Other Toxic Effects

Combustible Liquid, Eye irritant

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Notification status

TSCA:	On TSCA Inventory
DSL:	All components of this product are on the Canadian DSL.

SECTION 16. Other Information

Training advice

Provide adequate information, instruction and training for operators.

Full text of H-Statements referred to under sections 2 and 3.

H319	Causes serious eye irritation.

Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

HMIS Hazard Rating: Health – 2; Fire – 3; Reactivity– 0; PPE – Goggles & Shield; Apron; Vent Hood; Proper Gloves; Fire Extinguisher

SDS
Preparation
Date: 3/18/13
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The information accumulated herein is believed to be accurate and represents the best data currently available. It is the user's responsibility to determine suitability of use. No warranty, expressed or implied, is made and Hitt Marking Devices assumes no legal responsibility or liability resulting from its Materials comprising <1% by weight, or <0.1% by weight if the chemical is a carcinogen, are not listed herein.