

12918-1009

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**SAFETY DATA SHEET**

Revision Date 06/28/2019

SECTION 1: IDENTIFICATION

PRODUCT NAME: TRANSFER INK SERIES
PRODUCT CODE: 89-23-258, 89-23-834, 89-24-183, 89-72-040, 89-72-687, 89-73-017, 89-76-457, 89-79-5880

MANUFACTURER'S NAME: GOTHAM INK CORPORATION
STREET ADDRESS: 19 HOLT DRIVE
CITY: STONY POINT **STATE:** NY **ZIP CODE:** 10580
PHONE: 845-947-4000 **EMERGENCY PHONE:** 1-888-254-3824

SECTION 2: HAZARD IDENTIFICATION

GHS Classification

Flammable Liquid	Category 2
Skin Irritation	Category 2
Eye Irritation	Category 1
Acute toxicity (Oral)	Category 4
Reproductive toxicity	Category 2
Specific target organ toxicity- single exposure	Category 3 (Central nervous system)
Specific target organ toxicity- repeated exposure (Inhalation)	Category 3 (Respiratory system)

GHS Label ElementsSignal Word: **Danger****HAZARD STATEMENTS**

H225 Highly flammable liquid and vapor
H304 May be fatal if swallowed and enters airways
H316 Causes skin irritation
H318 Causes serious eye irritation
H336 May cause drowsiness or dizziness
H361 Suspected of damaging fertility or the unborn child
H373 May cause damage to organs (Auditory system, Eyes) through prolonged or repeated exposure if inhaled

PRECAUTIONARY STATEMENTS - Prevention

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical/ventilating/lighting/equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P264 Wash skin thoroughly after handling
P271 Use only outdoors or in well ventilated area
P280 Wear protective gloves/eye protection/face protection
P281 Use personal protective equipment as required

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**Response**

- P301, P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
- P303, P361, P312 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower
- P304, P340, P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell
- P305, P351, P338 IF IN EYES: Rinse Cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P308, P313 If exposed or concerned. Get medical advice/ attention
- P331 Do NOT induce vomiting
- P332, P313 If skin irritation occurs: Get medical advice/ attention
- P337, P313 If eye irritation occurs: Get medical advice/ attention
- P382 Take off contaminated clothing and wash before reuse
- P370, P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

Storage

- P403, P233 Store in a well-ventilated place. Keep container tightly closed
- P403, P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up

Disposal

- P501 Dispose of contents/ container to an approved waste disposal plant

SECTION 4: EXPOSURE INFORMATION - INFORMATION ON INGREDIENTS		
INGREDIENTS	CAS #	PERCENTAGES
Ethanol	64-17-5	<18.0
Isopropanol	67-63-0	<2.0
n-Propyl Alcohol	71-23-8	<63.0
n-Butanol	71-36-3	<28.0
Carbon Black Pigment (Black Ink Only)	1333-86-4	

* THE ACTUAL CONCENTRATIONS ARE BEING WITHHELD AS A TRADE SECRET

SECTION 4: FIRST AID MEASURES**General Information**

- After skin contact:** If skin irritation persists, call physician
If on skin, rinse well with water
If on clothes, remove clothes
- After eye contact:** Immediately flush eye(s) with plenty of water
Remove contact lenses
Protect unharmed eye
Keep eye wide open while rinsing
If eye irritation persists, consult specialist
Consult a physician after significant exposure
- After inhalation:** If unconscious place in recovery position and seek medical advice
- After ingestion:** Keep respiratory tract clear
Do NOT induce vomiting
Do not give milk or alcoholic beverages
Never give anything by mouth to an unconscious person
If symptoms persist, call a physician
Take victim immediately to hospital
- General advice:** Move out of dangerous area
Show this safety data sheet to the doctor in attendance
Symptoms of poisoning may appear several hours later
Do not leave the victim unattended



SECTION 5 FIRE FIGHTING MEASURES

Subtle extinguishing agents: Use water spray or fog, carbon dioxide or dry chemical.
Extinguishing agents to avoid: High pressure water jet.
Protective equipment: Firefighters and others exposed, wear self-contained breathing apparatus and protective clothing.
Special hazards: Keep containers cool by spraying with water if exposed to fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective equipment. Keep unprotected persons away.
Environmental precautions: Do not allow to enter sewers, surface or ground water.
Containment and clean-up: Ensure adequate ventilation. Cover spill with absorbent material; sweep up and place in approved waste disposal container. Clean spill area with water or appropriate cleaner.
Reference to other sections: See section 7, 8, and 13 for additional information.

SECTION 7 HANDLING AND STORAGE

Handling:
Precautions: Wash hands thoroughly after handling. Contaminated clothing should not be allowed out of the workplace. Wear protective gloves. Avoid breathing dust, fume, gas, mist, vapors, spray.
Special handling statements: Ensure all containers are properly grounded during use.
Storage: Store in cool, dry, well ventilated place and keep container tightly closed. Keep away from heat sources and direct sunlight.
Storage Temperature: 25° C / 77° F
Reason: Fire hazard and Quality.

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE GUIDELINES AND LIMIT VALUES

Hazardous Ingredients	OSHA Exposure Limit (TWA)	Vapor Pressure	
		mm Hg	Temp°C
Ethanol	1000 ppm	44	20
Isopropyl Alcohol	400 ppm	73	20
n-Propyl Alcohol	200 ppm	14.5	20
N-Butanol	100 ppm	6	20
Carbon Black (Black Ink Only)	3.5 mg/m ³ OSHA PEL	NA	NA

Additional information about design of technical systems: No further data; see item 7.
Components with limit values that require monitoring at the workplace: The formula does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Personal protective equipment: No further data; see section 7.
Other protective equipment may be used based on user's own risk assessment.
General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.
 Immediately remove oil soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Avoid contact with eyes and skin.



SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Color: Colored liquid indicated by product name
Appearance/Form: Liquid
Odor: Solvent odor
Boiling point: No data available
Octanol/Water coefficient: No data available
Autoignition temperature: No data available
Decomposition temperature: No data available
Viscosity: < 5000 cps



Vapor pressure	No data available
Specific gravity:	0.9 - 1.4
Percent volatile (% by wt.):	30% - 70%
pH:	No data available
% Solids by weight:	30% - 70%
Evaporation rate:	No data available
Solubility in water:	Not miscible
Flash point:	45° F / 7.2° C TCC
Other information:	No further relevant information available.

SECTION 9: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions
Conditions to be avoided:	Heat/ Flame/ Sparks
Polymerization:	Not applicable.
Hazardous decomposition products:	No dangerous decomposition products known.
Incompatible materials:	Strong oxidizing agents

SECTION 11: TOXICOLOGICAL INFORMATION**Ethanol - CAS 64-17-5**

Acute Toxicity:	Acute oral toxicity: LD50 (rat) >5,000 mg/kg (method: Supplier SDS) Acute dermal toxicity: LD50 (rabbit) >5,000 mg/kg (method: Supplier SDS) Acute inhalation toxicity: LD50 (rat) >124.7 mg/l, exposure time 4 hours (method: Supplier SDS)
Respiratory or Skin:	No data available
Eye Damage:	Irritating to eyes
Carcinogenicity:	Information is not available

Isopropanol - CAS 67-63-0

Acute Toxicity:	Acute oral toxicity: LD50 (rat) >5,000 mg/kg (method: Supplier SDS) Acute dermal toxicity: LD50 (rabbit) >5,000 mg/kg (method: Supplier SDS) Acute inhalation toxicity: LD50 (rat) >40 mg/l, exposure time 4 hours (method: Supplier SDS)
Respiratory or Skin:	No data available
Eye Damage:	Irritating to eyes
Carcinogenicity:	Information is not available

n-Propanol - CAS 71-23-8

Acute Toxicity:	Acute oral toxicity: LD50 (rat) >5,400 mg/kg (method: Supplier SDS) Acute dermal toxicity: LD50 (rabbit) >4,032 mg/kg (method: Supplier SDS) Acute inhalation toxicity: LD50 (rat) >33.8 mg/l, exposure time 4 hours (method: Supplier SDS)
Respiratory or Skin:	No skin sensitization
Eye Damage:	Risk of serious damage to eyes
Carcinogenicity:	Information is not available

n-Butanol - CAS 71-36-3

Acute Toxicity:	Acute oral toxicity: LD50 (rat) 790 mg/kg (method: Supplier SDS) Acute dermal toxicity: LD50 (rabbit) 3,130 mg/kg (method: Supplier SDS) Acute inhalation toxicity: LD50 (rat) > 8000 ppm, exposure time 4 hours (method: Supplier SDS)
Respiratory or Skin:	Moderate skin irritation
Eye Damage:	May cause irreversible eye damage.
Carcinogenicity:	Carcinogenicity classification not possible from current data.

Carbon Black - CAS 1333-86-6



Carbon Black is listed by IARC as a group 2B carcinogen (possible human carcinogen). However, the carbon black is bound in the ink matrix and no exposure to free carbon black will occur in the normal use of this product.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity:	Fish: LC50 (<i>Pimephales promelas</i> (fathead minnow)): 1,376 mg/l; Exposure time 96h Daphnia and other aquatic invertebrates: EC50 (<i>Daphnia magna</i>): 1,326 mg/l; Exposure time: 48h Toxicity to algae: EC50 (<i>Chlorella vulgaris</i> (green algae)): 225 mg/l; Exposure time: 96 h
Persistence and Degradability:	No relevant information available.
Bioaccumulative Potential:	No relevant information available.
General notes:	Do not allow product to reach ground water, water course or sewage system. Refer to section 13 for proper disposal instructions.

SECTION 13: DISPOSAL CONSIDERATIONS

Due to product uses, mixtures, processes, or contamination may render this material hazardous, it is the responsibility of the user/owner of the product to determine at the time of disposal, whether the product meets RCRA criteria for a hazardous waste. Dispose of this material and the empty containers, inerts, and rinsate according to current local, state, federal and/or international regulations.

SECTION 14: TRANSPORT INFORMATION

UN Hazard Class:	3
Proper Shipping Name:	Printing Ink, flammable
Identification Number:	UN1210
Packing Group:	Packing Group II
DOT Classification:	Flammable liquid
DOT Proper Shipping Name:	Printing Ink, flammable

SECTION 15: REGULATORY INFORMATION

United States Inventory (TSCA):	All components listed or are not required to be listed on TSCA.
SARA 313:	None
California Proposition 65:	All components listed or are not required to be listed on Proposition 65
Canada Domestic Substance List (DSL):	All components listed or are not required to be listed on DSL.
Australian Inventory of Chemical Substances (AICS):	Not Determined
China Inventory:	Not Determined
Japanese Inventory (ENCS):	Not Determined
Korean Inventory (ECL):	Not Determined
Philippine Inventory (PICCS):	Not Determined
New Zealand Inventory (NZIoC):	Not Determined

SECTION 16: OTHER INFORMATION

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the components of the product. Users are advised to confirm in advance of need that information is correct, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendor or third persons proximately caused by the material. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this product even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product described in section 1.

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