

Material Safety Data Sheet

Yellow ink 1039

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Chemical name: Yellow ink 1039

PRODUCT NAME: EC-1039

SUPPLIER: Guangzhou EC-PACK Packaging Equipment Co.,Ltd.

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2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NO.	CONTENTS
BUTANONE	78-93-3	60-85%
Butyl lactate	138-22-7	1-8%
pigment	5567-15-7	7-20%

COMPOSITION COMMENTS: A mixture of colorants, resins, additives and solvents

3.HAZARDS IDENTIFICATION

Highly flammable

Irritating to eyes

Repeated exposure may cause skin dryness or cracking

Inhalation and ingestion can lead to dizziness, weakness, coma, vomiting and ketosis, etc.

4. FIRST AID MEASURES

GENERAL: Get medical attention if any discomfort continues. Do not give victim anything to drink if he is 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:** Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.
- EYES:** Prompt wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5.FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Fire can be extinguished using: Alcohol resistant foam. Carbon dioxide (CO₂). Water spray, fog or mist, powder.

SPECIAL FIRE FIGHTING PRCEDURES:

Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control. Containers close to fire should be removed or cooled with water.

UNUSUAL FIRE & EXPLOSION HAZARDS:

HIGHLY FLAMMABLE! Vapors may form explosive mixture with air at room temperature. Vapors are heavier than air and may spread near ground to sources of ignition and flash back.

6.ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area

7.HANDING AND STORAGE

Closed operation, full ventilation. Operators must be specially trained to strictly observe the operating procedures. It is recommended that the operator wear self-priming filter respirators (half face mask), wear chemical safety glasses, wear anti-static work clothes, wear rubber gloves. Keep away from fire, heat, workplace smoking is strictly prohibited. Use explosion-proof ventilation systems and equipment. Prevents the vapor from leaking into the workplace air. Avoid contact with oxidants, reducing agents, alkalis. Filling should control the flow rate, and a

grounding device to prevent static accumulation. Handling light to light unloading, to prevent damage to packaging and containers. Equipped with the corresponding variety and quantity of fire equipment and leakage emergency treatment equipment. Empty containers may be harmful residues.

USAGE PRECAUTIONS: Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Avoid spilling, skin and eye contact. Ventilate well, avoid breathe vapors. Use approved respirator if air contamination is above accepted level. Risk of vapor concentration on the floor and in low lying areas. Contaminated rags and cloths must be put in fire proof containers for disposal.

STORAGE PRECUTIONS: Flammable/combustible- Keep away from oxidizers, heat and flames. Keep in cool, dry, ventilated storage and closed

STORAGE CRITERIA: Flammable liquid storage.

8.EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	CAS NO.	STD	LT EXP (8hrs)	ST EXP
BUTANONE	78-93-3	OES	200ppm	300ppm
ETHYL ALCOHOL	64-17-5	OES	1000ppm	N/A
INGREDIENT	OES = Occupational Exposure Standard			

PROTECTIVE EQUIPMENT:



VENTILATION: Provide adequate general and local exhaust ventilation.

RESPIRATORS: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

PROTECTIVE GLOVES: Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Impermeable.

EYE PROTECTION: Wear approved safety goggles.

OTHER PROTECTION: Wear appropriate clothing to prevent any possibility of skin contact.

**HYGIENIC WORK
ROUTINES:**

DO NOT SMOKE IN WORK AREA ! Wash at the end of each work shift and before eating, smoking and using the toilet. No eating or drinking while working with the material.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Movable, Liquid	COLOR:	yellow
ODOUR/TASTE:	KETONE		
SOLUBILITY DESCRIPTION:	Partially soluble in water		
BOILING POINT (°C) :	ca.79.6@760mmHg	MELTING POINT	ca.-85.9
SPECIFIC GRAVITY (WATER=1) :	0.90-1.10@20°C	VAPOUR DENSITY (AIR=1) :	ca.2.4
VAPOUR PRESSURE:	Ca.78mmHg@20°C	VOLATILITY:	Highly
EVAPORATION RATE:	>BuAc(BuAc=1)	Ph-VALUE, CONC:	N/A
VISCOSITY:	6-7mPas@25°C	FLASH POINT	ca.-6
FLASH POINT METHOD:	CC (Closed cup)		
AUTO IGNITION TEMPERATURE (°C) :	ca.515	FLAMMABILITY (lower%) :	ca.2 (%v/v)
FLAMMABILITY LIMIT (UPPER%) :	ca.12 (%v/v)		

10. STABILITY AND REACTIVITY

STABILITY: No particular stability concerns.

CONDITIONS TO AVOID: Avoid heat. Avoid contact with oxidizers or reducing agents.
Avoid contact with acids and alkalis.

HAZARDOUS POLYMERIZATION:
Will not polymerize.

HAZARDOUS DECOMPOSITION PRODUCTS:

Fire creates: Asphyxiating gases/vapors/fumes of; Carbon dioxide (CO₂) Carbon monoxides (CO) Nitrous gases (NO_x).

11.TOXICOLOGICAL INFORMATION

INHALATION: High concentrations of vapors may imitate 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. Diarrhea.

SKIN: Irritating to skin. Product has a defeating effect on skin.

EYES: May cause sever irritation to eyes. Vapor of spray may cause temporary (reversible) eye damage.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: Not know. If flow into the water, it may cause harm to the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of in accordance with Local Authority requirements.
Absorb in vermiculite or dry sand, dispose in licensed special waste. Make sure containers are empty before discarding (explosion risk).

14.TRANSPORT INFORMATION

**LABEL FOR
CONVEYANCE:**



ROAD:

UN No: 1210

HAZARD CLASS Class3: Flammable
(ADR) : liquids.

ADR CLASS No.: 3-F1

ADRIEM No: 3

HAZARD No.: 3YE

**PROPER SHIPPING
NAME:** PRINTING INK

RAIL:

RAIL TRANSPORT CLASS NO.:	3		
SEA:			
UN SEA:	1210	SEA TRANSPORT CLASS NO.:	3
SEA PACK GR:	II	EMS NO.:	3-05
MARINE POLLUTANT	NO		
;			
AIR:			
UN NO.:	1210	AIR TRANSPORT CLASS NO.:	3
AIR TRANSPORT CLASS NO.:	II		

15.REGULATORY INFORMATION

LABEL FOR SUPPLY:



RISK PHRASES:

R-11	Highly flammable
R-36	Irritating to eyes
R-52/53	Harmful to aquatic organisms, in the aquatic environment may cause long-term adverse effects
R-66	Repeated exposure may cause skin dry and detonation
R20/21/22:	Harmful by inhalation, in contact with skin and swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R-67	Vapors may cause drowsiness and dizziness

SAFETY PHRASES:

S-16	Keep away from sources of ignition- No smoking
S-25	Avoid contact with eyes
S-26	In case of contact with eyes, rinse immediately with plenty of water
S-37	Wear suitable gloves
S-51	Use only in well ventilated areas
S-60	This material and its container must be disposed of as hazardous waste
S-9	Storage in

16. OTHER INFORMATION

INFORMATIONSAURCES

Dangerous Chemical Goods Safety Management Regulations (February 17, 1987 the State Council issued), to Dangerous chemical Goods Safety Management Regulations and Rules (of labor (1992) 677), the workplace safe use of chemicals (1006 Ministry of Labor 423 No.) and other regulations for the safe use of hazardous chemicals, production, storage, handling, etc. are made corresponding provisions; commonly used classification of dangerous chemicals and signs (GB 13690-92) the substance is classified as a class 3.2 in flash point of flammable liquids.

REVISIONCOMMENTS Initial issue on new system

ISSUED BY:

REVISED DATE:

NO./REPLACES SDS

SDS No.:

R Serial:	R-11	Highly flammable
	R-36	Irritating to eyes
	R-51/53	Toxic to aquatic organisms, in the aquatic environment may cause long-term adverse effects.

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	R-66	Repeated Exposure may cause skin dryness or cracking
	R-67	Vapors may cause drowsiness and dizziness
SDS STATUS:	Authorized	

DISCLAIMER

The information contained in this safety data sheet relates only to the specific material is used in combination with any other materials. Such information is, to the best of EC-PACK's knowledge and belief, accurate and reliable and is based on the present state of knowledge and current legislation as of the date indicated. However, no warranty, guarantee, or representation is made as to its accuracy, reliability, or completeness. This safety data sheet provides guidance on health, safety data sheet provides guidance on health, safety, and applications. As the specific conditions of use of the product are outside of EC-PACK'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.