

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Environmental soy oil sheet fed offset ink C Ecopure
 General use : sheet fed offset ink
 Product description : Oil-based ink
 MANUFACTURER
 Company name : MAOMING SAKATA INX CO., LTD.
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 SDS no : E01-01-01

2. HAZARD IDENTIFICATION

GHS (EC Regulation 1272_2008) Classification

Physical Hazards	Flammable liquid	Out of category
Health Hazards	Acute toxicity(Oral)	Not Classified
	Acute toxicity(Skin)	Not Classified
	Acute toxicity(inhalation gases)	Not Classified
	Acute toxicity(inhalation vapors)	Not Classified
	Acute toxicity(inhalation /dust and mist)	Not Classified
	Skin corrosion / irritation	Not Classified
	Serious eye damage / eye irritation	Not Classified
	Respiratory Sensitization	Not Classified
	Skins Sensitization	Not Classified
	Germ cell mutagenicity	Not Classified
	Carcinogenicity	Not Classified
	Reproductive toxicity	Not Classified
	Specific target organ systemic toxicity - Single exposure	Not Classified
	Specific target organ systemic toxicity - Repeated exposure	Not Classified
Aspiration respiratory hazard	Not Classified	
Environmental Hazards	Aquatic environmental hazards (Acute)	Not Classified
	Aquatic environmental hazards (Chronic)	Not Classified

GHS Label elements

Symbol : No signal word
 Signal word : No hazard statement

Hazards statement: 

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature: Pigments, Synthetic Resin, Soy bean oil, Vegetable oils (not including soybean oil), Mineral Oil, Waxes, Drier and Other Additives

Main usage: Offset Printing

Plain name: Offset printing ink

NO.	Name	CI Number	CAS NO.	Weight Content
1	Pigments	PY12	6358-85-6	10~50%
		PR57:1	5281-04-9	
		PB15:3	147-14-8	
		BK7	1333-86-4	
		Calcium Carbonate	471-34-1	
2	Synthetic Resin	compound	68512-70-9	Less than 40%
3	Soy bean Oil	Soy bean Oil	8001-22-7	More than 20%
4	Vegetable oils (not including soy bean oil)	Vegetable oil	secret	Less than 10%
5	Mineral Oil	Mineral Oil	8042-47-5	Less than 25%
6	Waxes	Waxes	9002-88-4	Less than 10%
7	Drier	Cobalt and the compound	6700-85-2	Less than 5%
8	Other Additives	Additives	secret	Less than 5%
	Total			100%

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air and restore breathing, keep warm and at rest. If ill effects occur, obtain medical attention and show this Material Safety Data Sheet, label on container.

Skin contact: Remove contaminated clothing, and then wash the affected area with soap and water. Contaminated clothing should be laundered before reuse. If symptoms develop, obtain medical attention.

Eye contact: Immediately flush eye(s) and eyelids with plenty of water for at least 15 minutes. Call a physician. Obtain medical attention as a precaution.

Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting should occur spontaneously, keep airway clear. Immediately call a physician.

Protection to first-aiders : No information

5. FIRE-FIGHTING MEASURES

Flammable properties : Combustible paste.

Smoke, carbon monoxide and nitrogen oxide in the case of incomplete combustion.

Extinguishing media : Dry chemical powder, foam or carbon dioxide. Water can be used to cool containers.

Keep personnel removed from and upwind of fire. Fire-fighters should wear proper protective equipment.

Move container from fire areas if it can be done without risk.

Fire fighting instructions : Self-contained breathing apparatus and safety goggles.

6. ACCIDENTAL RELEASE MEASURES

Land spill/ Water spill :

Eliminate all sources of heat and open flame. Provide adequate ventilation. Soak up small spills with absorbent material(e.g. sand) and place in labeled waste container for disposal. Wear adequate personal protective clothing and equipment.

7. HANDLING AND STORAGE

Handling: Use proper ventilation and good keeping procedures to avoid accumulation of ink mist. Avoid contact with skin and eyes. Keep away from heat and open flame.

Storage: Keep containers tightly closed. Store in a cool, dry place. Keep away from strong oxidizing agents. This product is gradually oxidized in contact with air. Cloths or rags stained with this product must be kept in metallic or incombustible vessel with lid.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits values :

Hazardous Components (Specific Chemical Identity; Common Name(s)) :	Exposure limit	ACGIH (TWA)	Japanese Society of Occupational Health (TWA)
Mineral oil (severely treated)	-----	5 mg / m ³ for oil mist , Mineral	3 mg / m ³ for oil mist , Mineral
Cobalt and the compound	-----	-----	0.05 mg / m ³ for cobalt
Carbon black	-----	3.5 mg / m ³	(Inhalant) 1 mg / m ³ (Total) 4 mg / m ³

Exposure controls

Occupational exposure controls Engineering controls

: Not required in normal works. Ventilation may be needed in application where vapor or mist can be generated.

Personal protection

Respiratory Protection :

Use an approved respirator for concentration in excess of the applicable exposure limits.

Hand protection :Protective impervious gloves are recommended.

Eye protection :Splash proof goggles are recommended.

Skin protection :Remove soiled or soaked clothing immediately Keep away from foodstuffs and beverages.

Wash hands before breaks and after work.

Environmental exposure control : Not available

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Paste
Odor	: Oily odor
pH	: Not applicable.
Boiling point (°C)	: >240°C(of Mineral oil)
Melting Point	: No data
Decomposition temperature	: No data
Flash point (°C)	: >120°C
Auto ignition temperature	: No data
Flammability limits(vol-%)	: No data
Explosive properties	: Not available
Oxidizing properties	: Not available
Vapor Pressure	: Not available
Specific Gravity(H ₂ O=1) (g/cm ³)	: 0.9—1.2
Solubility in water (g/l, 20 °C)	: Insoluble
Partition coefficient (n-octanol/water)	: No data
Viscosity	: No data
Vapor Density(AIR=1)	: Not available
Evaporation Rate(Butyl Acetate=1)	: Not available

10. STABILITY AND REACTIVITY

- Conditions to avoid : Avoid open flames and extreme temperatures.
 Stability : This product is gradually oxidized in contact with air. Cloths or rags stained with this product must be kept in metallic or incombustible vessel with lid.
 Materials to avoid : Avoid strong oxidizing agents.
 Hazardous reactions/decomposition products : Toxic gases may be generated by thermal decomposition or combustion.

11. TOXICOLOGICAL INFORMATION

This product is not available for any hazards information.

Material hazards / GHS Classification - No.1

Material name	Acute toxicity(Oral) mg/kg	Acute toxicity(Skin) mg/kg	Acute toxicity(inhalation /gases) mg/kg	Acute toxicity(inhalation /vapors) mg/kg	Acute toxicity(inhalation /dust and mist)	Skin corrosion / irritation	Serious eye damage / eye irritation
Mineral oil	N/C	N/C	N/C	N/C	N/C	N/C	N/C
Cobalt and the compound	N/C	N/C	N/C	N/C	N/C	N/C	N/C
Copper and the compound	N/C	N/C	N/C	N/C	N/C	N/C	N/C
Carbon black at black ink	N/C	N/C	N/C	N/C	N/C	N/C	N/C

N/C : not classified

Material hazards / GHS Classification - No.2

Material name	Respiratory Sensitization	Skins Sensitization	Germ cell mutagenicity	Carcinogenicity	Reproductive toxicity	Specific target organ systemic toxicity - Single exposure	Specific target organ systemic toxicity - Repeated exposure	Aspiration respiratory hazard
Mineral oil	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
Cobalt and the compound	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
Copper and the compound	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
Carbon black at black ink	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C

N/C : not classified

- IARC evaluated carbon black as a Group2B (possibly carcinogenic to humans), and printing ink as a Group3(Not classifiable as to carcinogenicity to humans).

12. ECOLOGICAL INFORMATION

This product is not available for any hazards information.

Environmental Hazards

Material name	Aquatic environmental hazards (Acute)	Aquatic environmental hazards (Chronic)
Mineral oil	Not Classified	Not Classified
Cobalt and the compound	Not Classified	Not Classified
Copper and the compound	Not Classified	Not Classified
Carbon black at black ink	Not Classified	Not Classified

Remarks : Do not allow to enter soil, waterways or waste water canal.

13. DISPOSAL CONSIDERATIONS

Incineration recommended. Waste disposal must be made in compliance with applicable local, state and country regulations.

14. TRANSPORT INFORMATION

Transportation Practice

: Any transportation practice must be done in compliance with law and regulation.

UN. CLASS : Not applicable

UN. No . : Not applicable

Packing Group : Not applicable

Emergency response of Chemical or HAZMAT Incidents: 133

15. REGULATORY INFORMATION

Regulatory information with regard to this product in your country or region should be examined by your own responsibility.

16. OTHER INFORMATION

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed.

[Reference data]

- 1) American Conference of Governmental Industrial Hygienists /ACGIH (2007)
- 2) Japanese Society of Occupational Health (2007-2008) <http://joh.med.uoeh-u.ac.jp/oel/index.html>
- 3) ICSC CARD <http://www.nihs.go.jp/ICSC>
- 4) Chemical Management Center National Institute of Technology and Evaluation http://www.safe.nite.go.jp/ghs/ghs_index.html

Filling department: Maoming Sakata Ink Co., Ltd. Quality Assurance Division