

Printing Date: 12/10/2016

Reviewed on: 12/10/2016

### 1) IDENTIFICATION OF PRODUCT:

PRODUCT USE:  
Screen Printing Ink.

RANGE:  
VYNOBOND EV.

PRODUCT CODE:  
EV-001,EV-002,EV-021,EV-023,EV-025,EV-045,EV-046,EV-123,EV-167,EV-201,EV-202,EV-204,EV-205,EV-236,EV-287,EV-327,EV-300,EV-400.

MANUFACTURER / SUPPLIER:  
FUJIFILM Sericol India Pvt. Ltd.  
10/11, B. U. Bhandari Ind. Estate, Sanaswadi, Pune-Nagar road, Pune-412 208  
Tel: +91 2137 252048.

INFORMATION DEPARTMENT:  
Technical Department: +91 2137 252906 / 252048.

### 2) COMPOSITION / DATA ON COMPONENTS:

CHEMICAL CHARACTERIZATION DESCRIPTION:  
Mixture of substances listed below with no hazards additions.

#### DANGEROUS COMPONENTS:

64742-95-6	Solvent naptha (petroleum), light aromatic Xn; R10-65	25-50%
95-47-6	O-Xylene Xn; R10-20	20-25%
Lead Chromate	T,N; R61-62-33-40-50/53	10-25%

### 3) HAZARDS IDENTIFICATION:

INFORMATION PERTAINING TO PARTICULAR DANGERS FOR MAN AND ENVIRONMENT  
T (Toxic); N (Dangerous for the environment)

INFORMATION PERTAINING TO PARTICULAR DANGERS FOR MAN AND ENVIRONMENT

R 10	Flammable
R 20/21	Harmful by inhalation and in contact with skin
R 61	May cause harm to the unborn child
R 62	Possible risk of impaired fertility
R 33	Danger of cumulative effects
R 65	Repeated exposure may cause skin dryness or cracking

### 4) FIRST AID MEASURES:

GENERAL INFORMATION:  
Never make an unconscious person vomit or drink fluids. Symptoms of poisoning may even occur after several hours; therefore medical observation is required for at least 48 hours after an accident.

AFTER INHALATION:  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. In case of unconsciousness place patient stable in side position for transportation.

SWALLOWED  
Drink copious amounts of water and provide fresh air. Call for a doctor immediately.

EYE  
If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye for several minutes under running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Then consult a doctor.

SKIN  
Generally the product does not irritate to the skin. If skin contact occurs, flush skin and hair with running water & immediately wash with soap. If skin irritation continues, consult a doctor.

## MATERIAL SAFETY DATA SHEET

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**5) FIRE FIGHTING MEASURES:**

## SUITABLE EXTINGUISHING AGENTS

Special powder for metal fires. CO<sub>2</sub>, sand, extinguishing powder. Fight larger fires with alcohol resistant foam. Do not use water.

## FOR SAFETY REASONS UNSUITABLE EXTINGUISHING AGENTS.

Water, Water with full jet.

## SPECIAL HAZARDS CAUSED BY THE MATERIAL, ITS PRODUCTS OF COMBUSTION OR RESULTING GASES:

In case of fire, the following can be released:

Carbon monoxide (CO)

Under certain fire conditions, traces of other toxic gases cannot be excluded

## PROTECTIVE EQUIPMENT:

Wear self-contained breathing apparatus. Mount respiratory protective device

## ADDITIONAL INFORMATION:

Cool endangered containers with water spray. Collect contaminated fire fighting water separately. It must not enter the sewage system.

**6) ACCIDENTAL RELEASE MEASURES:**

## PERSON-RELATED SAFETY PRECAUTIONS:

Ensure adequate ventilation, Keep away from ignition sources. Wear protective equipment. Keep unprotected personnel away.

## MEASURES FOR ENVIRONMENTAL PROTECTION:

Prevent seepage into sewage system, workpits and cellars.

## MEASURES FOR CLEANING / COLLECTING:

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. Do not flush with water or aqueous cleaning agents.

**7) HANDLING AND STORAGE:**

## HANDLING:

## INFORMATION FOR SAFE HANDLING:

Store in a cool, dry place in tightly sealed containers. Keep away from heat and direct sunlight. Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

## INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES:

Keep ignition sources away - do not smoke. Protect against electrostatic charges.

## REQUIREMENTS TO BE MET BY STOREROOMS AND CONTAINERS:

Store in cool location.

## STORAGE:

Information about storage in one common storage facility: Not required.

Do not store together with oxidizing, acidic materials and with alkalis (caustic solutions) and store away from ignition sources. Do not store together with oxidizing and acidic materials.

Further information about storage conditions: Keep container tightly sealed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Protect from heat, direct sunlight, humidity and water. Do not store in unlabeled containers.

**8) EXPOSURE CONTROLS AND PERSONAL PROTECTION:**

## GENERAL PROTECTIVE AND HYGIENIC MEASURES:

Keep away from foodstuffs, beverages and feed. Wash hands, forearms and face thoroughly before eating, breaks and at the end of work.

## BREATHING EQUIPMENT:

Do not breathe fumes/vapour. Use suitable/appropriate, certified respiratory protective device in case of insufficient ventilation.

## PROTECTION OF HANDS:

Protective gloves

## EYE PROTECTION:

Safety glasses with side shields; or as required. Ensure that eye wash stations are close to the workstation.

## OTHER:

Ensure there is ready access to an eyewash unit and emergency shower. Use in a well-ventilated area. General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances.

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**9) PHYSICAL AND CHEMICAL PROPERTIES :**

Form	: Fluid
Colour	: According to product specification
Odour	: Characteristic
Change in condition	
Melting point/Melting range	: Undetermined
Boiling point/Boiling range	: 157°C
Flash point	: 57°C
Ignition temperature	: 420°C
Self igniting	: Product is not self-igniting.
Danger of explosion	: Product is not explosive. However, formation of explosive air/vapour mixture is possible
Explosive limits	: Lower - 0.8 Vol% Upper - 9.4 Vol %
Vapour Pressure 20°C	: 5.0 hPa
Density at 20°C	: Not determined
Water	: Not miscible or difficult to mix

**10) STABILITY AND REACTIVITY:**

THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED:  
No decomposition if used according to specifications.

DANGEROUS REACTIONS:  
No dangerous reactions known.

DANGEROUS PRODUCTS OF DECOMPOSITION:  
No dangerous decomposition products known.

**11) TOXICOLOGICAL INFORMATION:**

ACUTE TOXICITY:  
LD/LC50 VALUES THAT ARE RELEVANT FOR CLASSIFICATION:

64742-95-6 Solvent naphtha (petroleum), light aromatic  
Oral : LD50 : 3750 mg / kg (rat)  
Dermal : LD50 : 2400 mg /kg (rbt)  
Inhalative : LC50 / 4 h : >10.0 mg / 1 (rat)

PRIMARY IRRITANT EFFECT:  
on the eye : Irritant effect  
on the skin: No irritant effect  
Sensitization : No sensitizing effects known.  
Additional toxicological information: Harmful

**12) ECOLOGICAL INFORMATION:**

GENERAL NOTES:  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**13) DISPOSAL CONSIDERATIONS:**

PRODUCT RECOMMENDATION:  
Must not be disposed together with household rubbish. Do not allow product to reach ground water, water course or sewage system.  
Dispose product according to official regulation.

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**14) TRANSPORT INFORMATION:**

## INFORMATION:

Land transport ADR/RID:	(cross-border)
ADR/RID class:	3 Flammable liquid
Item:	31c
UN-Number	1210
Maritime transport IMDG:	
IMDG Class:	3.3
UN-Number	1210
Packing group:	III
EMS Number:	3-05
MFAG:	310
Marine pollutant:	No
Proper shipping name:	Printing Ink

## Air transport ICAO-TI and IATA-DGR:

ICAO / IATA Class:	3
UN / ID No.	1210
Packing group:	III
Proper shipping name:	Printing Ink

**15) REGULATORY INFORMATION:**

## REGULATIONS:

Hazard designation of product : T Toxic; N: Dangerous to the environment  
 Hazard – determining components : Ethanol , 2- Butoxy acetate  
 Lead Chromate

## RISK PHRASES:

R 10	Flammable
R 20/21	Harmful by inhalation and in contact with skin
R 61	May cause harm to the unborn child
R 62	Possible risk of impaired fertility
R 33	Danger of cumulative effects
R 40	Possible risks of irreversible effects

## SAFETY PHRASES:

9	Keep container in a well-ventilated place.
25	Avoid contact with eyes.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36	Wear suitable protective clothing.

## SPECIAL LABELING OF CERTAIN PREPARATIONS:

Contain lead. Should not be used on surface liable to be chewed or sucked by children.

**16) OTHER INFORMATION:**

## INFORMATION:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

## DEPARTMENT ISSUING MSDS :

Technical Department - Fujifilm Sericol India Pvt.Ltd.