

1. Identification of the substance/preparation and of the company/undertaking

Date : May 3, 2018

Identification of the product Product name :	UV INK GH-2220-144-C18 GH-2220-144-M18 GH-2220-144-Y18 GH-2220-144-K18 GH-2220-144-W18 GH-2220-44-GL18
Manufacturer/supplier identification Company :	East Core Co Ltd.
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2. Hazards identification

Hazard Categories / Classes :

Skin corrosion/Irritation : Category 2

Serious eye damage / eye irritation : Category 2A

Acute toxicity (Oral) : Category 5

Environmental Hazards : Not classified

GHS-Pictogram

Signal Word : Warning



Hazard Statements :

Hamful if swallowed

Cause skin irritation.

Cause serious eye irritation

Precautionary statements :

Store container in a well-ventilated place.
 Avoid contact with eyes.
 Wear protective clothing / protective gloves / safety glasses / face protective gears.
 Contaminated work clothing not be allowed out of the workplace

Other Information:-

3. Composition/information on ingredients

Ingredient	Concentration%	CAS Index No
Pigment	3~5	Trade Secret
Aliphatic Urethane Acrylate	1~5	Trade Secret
Hyperbranched Polyester Acrylate	1~10	Trade Secret
Benzl Acrylate	20~50	249-35-4
Isoborny Acrylate	5~20	5888-33-5
Ethyl Acetate	10~30	141-78-6
Other polymerization initiator	5~10	Trade Secret
Additive	0.1~1	Trade Secret

4. First aid measures

Ingestion :	Call a poison center or doctor/physician if you feel unwell. Rinse mouth.
Inhalation :	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.
Skin :	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Eyes :	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Self-protection of the first aider : Use personal protective equipment as required

Most important symptoms and effects : Hives

Notes of Physician : Eye Contact –Emergency Medical Treatment Procedures:Some photoinitiators cure in the near UV and visible light range keep overhead lighting OFF as a precaution flush eyes for an additional 15-30 minutes prior to examination under light DO NOT use UV light with fluorescent stain to examine injured eye without copious irrigation of the eye. may cause sensitization of susceptible persons use of epinephrine may be indicated .trent symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media : Dry chemical, foam, carbon dioxide.

Unsuitable extinguishing media :Water (It may scatter and spread fire)

Specific hazards : This substance may polymerize explosively when heated or involved in a fire. Container may explode when heated.
Combat fire from a sheltered position.

Specific methods:Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Keep containers cool by spraying with water. Eliminate all ignition sources if safe to do so.

Protection of fire fighters : When extinguishing fire, be sure to wear personal protective equipment.

6. Accidental release measures

Personal precautions : Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

Environmental precautions : Prevent product from entering drains.

Methods for containment : Prevent further linkage or spillage if safe to do so.

Methods for cleaning up : Absorb spilled material in dry sand or inert absorbent before recovering it into a covered container. In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7. Handling and storage

Handling :

Technical measures : Handling is performed in a well ventilated place. Wear suitable protective equipment.Prevent generation of vapor or mist. Wash hands and face thoroughly after handling.Use a ventilation, local exhaust if vapor or aerosol will be generated.

Advice on safe handling : Avoid contact with skin, eyes and clothing.

Storage :

Storage conditions : Keep container tightly closed. Store in a cool and dark place.Store away from incompatible materials such as oxidizing agents.

Packaging material : Law is followed.

8. Exposure controls/personal protection

Exposure control :

Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

Personal Protection :

Respiratory protection : Vapor respirator. Follow local and national regulations.

Hand protection : Protective gloves.

Eye protection : Safety glasses. A face-shield, if the situation requires.

Skin and body protection : Protective clothing. Protective boots, if the situation requires.

9. Physical and chemical properties

Appearance	Blue 、Magenta 、 Yellow 、 Black 、 White liquid
odor	Characteristic
Odor threshold	Not available
pH	Not available
Freezing point	Not available
Boiling point, 760 mm Hg	> 100°C
Flash point	> 100°C
Evaporation rate	Not available
Lower explosion limit	Not available
Upper explosion limit	Not available
Vapor pressure	Not available
Vapor density	Not determined
Specific gravity	Not determined
Solubility in water	Not applicable
Octanol / water partition	Not determined
Autoignition temperature	Not determined
Viscosity/25°C	3~5 cp

10. Stability and reactivity

Chemical stability:

Polymerization may occur under the influences of heat, light or upon contact with polymerization initiator such as peroxides etc.

Possibility of Hazardous Reactions:

None under normal processing

Hazardous polymerization:

Hazardous polymerization may occur

Conditions to avoid:

Heat , flames and sparks

Incompatible materials:

oxidizing agents, strong bases, reducing agents, peroxides, amines

Hazardous decomposition products:

Carbon monoxide, Carbon dioxide

11. Toxicological information

Information on likely routes of exposure

Product information : product does not present an acute toxicity hazard based on known information

Inhalation : Avoid breathing vapors or mists .May cause irritation.

Eye contact : Irritating to eyes .Avoid contact with eyes.

If on skin : Irritating to eyes .Avoid contact with skin. May cause sensitization by skin contact.

Ingestion : May be harmful if swallowed. Do not taste or swallow.

Oral LD50	Dermal LD50	Inhalation LC50
5g/kg (Rat)	-	-

Information on toxicological effects

Symptoms : No information available

Delayed and immediate effect as well as chronic effects form short and long-term exposure

Skin corrosion / irritation : Irritation to skin

Serious eye damage/eye irritation : Risk of serious damage to eyes system and skin

Irritation : Irritation to eyes ,respiratory system and skin.

Sensitization : No information available

Mutagenic effects : No information available

Reproductive toxicity : No information available

STOT – single exposure : No information available

STOT –repeated exposure : No information available

Chronic toxicity : Repeated contact may cause allergic reactions in very susceptible persons Avoid repeated exposure.

Traget organ effects : Respiratory system eyes,skin,gastrointestinal tract(GI)

Aspiration hazard : No information available

12. Ecological information

Persistence and degradability : No information available

Bioaccumulation / Accumulation : No information available

Other adverse effects : No information available

13. Disposal considerations

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

14. Transport information

Hazards Class : Does not correspond to the classification standard of the United Nations

UN-No : Not Listed

15. Regulatory information

In accordance with local and national regulations

International Inventories

TSCA situation: This product is a mixture, all the ingredients are included in the directory of Toxic Substances Control Act (TSCA).

16. Other information

Manufacturer:

Professional post : R & D

Name : R & D Department

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