



LUCKY HUAGUANG GRAPHICS CO.,LTD

Material Safety Data Sheet

Date Prepared:

Version 3.0

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : Huaguang Flexographic Printing Plate.
Product Code : DR635L, DR550L, DR470, DR394-II, DR394-III, DR318L, DR284H, DR284-MII, DR284-II, DR284L, DR254-II, DR228LS, DR170H, DR170LS, DR114H, DR114LS, DFT284L, DFT170LS.
Use : Sheet photopolymer for printing plate.
Company Name : Lucky Huaguang Graphics Co., Ltd.
Address : 718, South Station Road, Nanyang city, Henan province, China.
Telephone Number : (86)-377-63863074/63863975 (Export department).
Fax Number : (86)-377-63138450(Export department).
Emergency Telephone Number : (86)-377-63863797 (Imaging Products Quality Assurance Dept., Business hours only).

2. IDENTIFICATION OF SUBSTANCE

Distinction between single product and mixture : Mixture Sheet photopolymer with polyester film, polyamide and carbon black.

OSHA HAZARDOUS

INGREDIENTS

(29 CFR 1910.1200) : None.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

May cause skin irritation. Transparent, slight black (DR635L, DR550L, DR470, DR394-II, DR394-III, DR318L, DR284H, DR284-MII, DR284-II, DR284L, DR254-II, DFT284L), black (DR228LS, DR170H, DR170LS, DR114H, DR114LS, DFT170LS), solid sheet with slight soap odor.

POTENTIAL HEALTH EFFECTS

This product has not been tested as a whole to determine whether this product is a health and physical hazard. Primary Route of Exposure.



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| | | |
|-------------------------------------|----------------|----------------------------|
| Inhalation | : | Not available. |
| Eye | : | Not available. |
| Skin | : | May cause skin irritation. |
| Ingestion | : | Not available. |
| Chronic Toxicity / Carcinogenicity: | Not available. | |
| Medical Conditions Aggravated by | | |
| Exposure | : | Not available. |

4. FIRST AID MEASURES

| | | |
|-------------------|---|--|
| Eyes | : | Not relevant. |
| Skin | : | Remove product from skin and wash with soap and water. |
| Ingestion | : | Not relevant. |
| Inhalation | : | Not relevant. |
| Note to Physician | : | Treat symptomatically and supportively. |

5. FIRE-FIGHTING MEASURES

Flammable Properties

| | | |
|----------------------------|---|--|
| Flashpoint and Method | : | Not applicable. |
| Flammability Limits | : | Not applicable. |
| Autoignition Temperature | : | Not applicable. |
| Extinguishing Media | : | Water spraying jet, dry chemical, carbon dioxide, or foam. |
| Fire Fighting Instructions | : | Wear full fire-fighting turn-out gear (full bunker gear) and respiratory protection (self-contained breathing apparatus). The usual fire gases with dense smoke will arise with a small amount of carbon monoxide and oxides of nitrogen. |

6. ACCIDENTAL RELEASE MEASURES

| | | |
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| Personal Precautions | : | None special. |
| Environmental Precautions | : | Prevent entry into sewers and waterways. |



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Methods for Cleaning Up : None special.

7. HANDLING AND STORAGE

Handling : This product may only be used in the manner described in the technical instruction and with operating procedures indicated therein. Avoid direct contact with skin. Wash hands thoroughly after handling.

Storage : Keep away from heat, sunlight, radiation sources and flame. This product which is supplied in corrugated box, should be stored at normal temperature (5 ~ 34°C) and protected from day- and UV-light.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls : Mechanical (general) ventilation is recommended.

Personal Protective Equipment

Eye / Face Protection : Not normally required.

Skin Protection : Wear protective impervious gloves when handling.

Respiratory Protection : Not normally required.

Exposure Guidelines

OSHA PELs : Not established.

ACGIH TLVs : Not established.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : slight black (DR635L, DR550L, DR470, DR394-II, DR394-III, DR318L, DR284H, DR284-MII, DR284-II, DR284L, DFT284L, DR254-II), black (DR228LS, DR170H, DR170LS, DR114H, DR114LS, DFT170LS) solid sheet.

Odor : Slight soap odor.

Boiling Point : Not applicable.

Melting Point : Under 248°F (120°C).

Flash Point : Not applicable.

Flammability Limits : Not applicable.

Vapor Pressure : Not applicable.

Specific Gravity : 0.92 ~ 0.94 at 25°C.



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| | |
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| Solubility in Water | : Not available (Estimated under 1 g/100cm ³ at 25°C). |
| Explosion Limits | : Not applicable. |

10. STABILITY AND REACTIVITY

| | |
|--------------------------------------|---|
| Chemical Stability | : The product is normally stable in use conditions. |
| Conditions to Avoid | : Sunlight and high temperature exceeding 40°C. |
| Incompatibility with Other Materials | : None special. |
| Hazardous Decomposition Products | : None special (as usual as in case of fire.). |

Hazardous Polymerization : Will not occur. But slow polymerization will occur by open exposure to sunlight or by heating to high temperature exceeding 40°C, but not hazardous.

11. TOXICOLOGICAL INFORMATION

| | |
|--------------------------|--|
| Acute Inhalation Effects | : Not applicable (Not volatile at room temperature). |
| Eye Effects | : Not applicable. |
| Skin Effects | : Not available. |

The primary Irritation Index of a similar preparation was found to be by LIFE SCIENCE RESEARCH (Suffolk, England) according to the OECD Guidelines in 1984.

| | |
|----------------------------------|--|
| Acute Oral Effects | : Not available. |
| Acute Toxicity | : Not available. |
| Reproductive Effects | : Not available. |
| Chronic Toxicity/Carcinogenicity | : None of the components in this products are listed by IARC, OSHA or NTP. |
| Mutagenicity | : Not available. |

12. ECOLOGICAL INFORMATION

| | |
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| Ecotoxicity | : Not available. |
| Environmental Fate | : Not available. |



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Physical / Chemical Properties : Not available.

13. DISPOSAL CONSIDERATIONS

Comply with all federal, state and local regulations.

14. TRANSPORT INFORMATION

This product is not a hazardous material defined in 49 CFR 171.8.

UN Class and Number : Not Classified.

This product is not regulated as hazardous materials by DOT, IMO, IATA, RID, or ADR.

15. REGULATORY INFORMATION

OSHA STATUS : Exempted.

TSCA STATUS : Exempted.

CERCLA REPORTABLE

QUANTITY (40 CFR 117.302): None of the components in this product are listed as Hazardous Materials.

SARA TITLE III

SECTION 302(40 CFR 355) : None of the components in this product are listed as Extremely Hazardous Substances.

SECTION 311 / 312

(40 CFR 370) : This product is not categorized as physical and health hazard.

SECTION 313 (40 CFR 372) : None of the components in this product are listed as Toxic Chemicals.

16. OTHER INFORMATION



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This product is intended for use of plate making.

Follow manufacturer's technical instruction for plate making.

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It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process.

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