

SAFETY DATA SHEET
PRODUCT: TRI Flexo Plate
CONFORMS TO EC DIRECTIVE 91/155

1. IDENTIFICATION OF PRODUCTION AND COMPANY

1.1 Product name and/or code: TRI Flexo Plate / Analogue

Intended Use: Flexographic Printing Plate

1.2 Manufacturer: Tokai Ruber Industries, Ltd
Flexo Graphics Business Unit
1 Higashi 3-Chome, Komaki-Shi
Aichi-Ken 485-8550, Japan

1.3 Emergency Phone Number: +08 (0) 568-77-2027

2. COMPOSITION/INFORMATION ON INGREDIENTS

Within the meaning of EEC Directive 91/155

<u>Names</u>	<u>Conc.</u>	<u>R.Phrases*</u>	<u>Symbol</u>	<u>MEL/OES</u>
Rubbers	61%	N/A	N/A	N/A
Methacrylic Ester Monomers	32%	N/A	N/A	N/A
Photo-initiator	<4%	N/A	N/A	N/A
Dye	<1%	N/A	N/A	N/A
Stabilizer	<1%	N/A	N/A	N/A
Others	<2%	N/A	N/A	N/A

(*Risk Phrases) See full text of phrases under section 16.

3. HAZARDS IDENTIFICATION OF THE PRODUCT:

Generally harmless, may cause slight allergic reactions/irritation to sensitive skin.

4. FIRST AID MEASURES:

General: Mainly harmless. In all cases of doubt or where symptoms persist seek medical attention.

Inhalation: N/A

Eye Contact: Wash with clean fresh water for at least 15 minutes holding the eye lids apart and seek medical attention.

Skin Contact: Wash skin thoroughly with flowing water and mild soap. In case of persistent irritation seek medical advice.

Ingestion: If accidentally swallowed obtain immediate medical attention. Induce vomiting.

5. FIRE FIGHTING MEASURES:

Extinguishing media: All normal media. **Do not use:** N/A

Recommendations: Fire fighters should wear proper protective equipment. Irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Protection against fire and explosion hazard: N/A

6. ACCIDENTAL RELEASE MEASURES:

Refer to section 12, and place in container for disposal in accordance with local regulations.

7. HANDLING AND STORAGE:

7.1 Handling:	Handle under yellow safe light. Comply with Health & Safety at Work Regulations. For personal protection see Section 8.
7.2 Storage of Unprocessed Plates:	Keep container tightly closed, after opening bag containing plates re-seal it with adhesive tape. Store in an area away from heat and direct sunlight. Store at low temperature (below 25°C or 77°F and humidity below 50% RH).
7.3 Storage of Processed Plates:	Before storing inked plates wipe ink completely off. The plate should be stored in a cool dark place. Recommended humidity is 50-70%. Film backed plate should be stored in a sealed polythene bag.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures: N/A
Industrial hygiene: Wearing of gloves for persons with sensitive skin is recommended.

Exposure limits:

<u>Names</u>	<u>MEL/OES</u>	<u>STEL(1)</u>	<u>LTEL(2)</u>
N/A	N/A	N/A	N/A

(1) STEL - Short term exposure limit (10 min ref period) (2) LTEL - Long term exposure limit (8 hr ref period)

Personal Protection

Respiratory protection: N/A
Hand protection: If preferred use protective gloves for sensitive skin.
Eye protection: If preferred use safety eye wear designed to protect against liquid splashes, (eg. goggles)
Skin protection: Protect exposed sensitive skin with barrier creams. Wash skin after contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Plate consisting of polyester cover film, resin layer and polyester film base.
Flash point: N/A **Method:** N/A
Density: 1.0 (H₂O = 1)
Solid/melting point: N/A
Auto ignition temp: N/A
Lower explosive limit: N/A
Upper explosive limit: N/A
Solubility in water: N/A
pH value: N/A

10. STABILITY AND REACTIVITY

Thermal decomposition: N/A
Hazardous decomposition productions: N/A
Hazardous reactions: N/A

11. TOXICOLOGICAL INFORMATION

The photopolymer coating contains substances which may cause allergic reactions and irritation to sensitive skin.

Inhalation: N/A
Ingestion: N/A
Skin: N/A
Eyes: N/A

12. ECOLOGICAL INFORMATION

- 12.1** Waste plate material, protective foils and used printing plates may be accepted by waste disposal services. However, this does not absolve the user from making enquiries with the appropriate authorities and obtaining consent.
- 12.2** Plates are prepared using water as the washout solution. Waste water may be disposed into sewerage systems as constituents are bio-degradable. However, this does not absolve the user from making enquiries with the appropriate authorities and obtaining consent to discharge etc.

13. DISPOSAL CONSIDERATIONS

Inner and outer packaging are suitable for re-cycling. Waste plate material, protective foils and used printing plates may be accepted by waste disposal services. However this does not absolve the user from making enquiries with the appropriate authorities and obtaining consent.

14. TRANSPORT INFORMATION

No special regulations relative to the transport and handling of Aquaflex printing plate products.

ADR/RID: N/A

GGV/GGVS: N/A

GGV: N/A

IMDG: N/A **Marine pollutant:** N/A

UN no: N/A

ICAO/IATA-DGR: N/A

Other information: No special information required in packaging, outer packages are labelled informing contents.

15. REGULATORY INFORMATION

In accordance with The Chemicals Hazard Information and Packaging Regulations 1993 the product is labelled as follows:-

Classification: N/A

Risk phrases: N/A

Safety phrases: N/A

16. OTHER INFORMATION

The information on this Safety Data Sheet is based on present knowledge and laws, as users working conditions are beyond our control. Due to the large number of possible influences, it does not dispense the user from his obligation to carry out his own tests and experiment, in order to process and use the product. This product is not to be used for purposes other than those listed in Section 1 without first obtaining written instructions.

No legally binding guarantee of particular qualities or suitability for a particular purpose may be derived there from. The responsibility to respect any industrial rights and existing laws and regulations is always borne by the user.

The information on this sheet is designed as a description of the safety requirements for the product, and should not be taken to be a guarantee of the products properties.

The information herein conforms to EC Directive 91/155. Sheet dated 8/12/09.