
Article Information Sheet

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Updated : -

1. Company Identification

Name of Manufacture : Toray Industries, Inc.

Sales Department : Graphic Systems Department

Address : 1-1,Nihonbashi-muromachi 2-chome,Chuo-ku,Tokyo 103-8666, JAPAN

Telephone number : +81(3)-3245-4517

FAX number : +81(3)-3245-4917

2. Article Identification

Product name : "TORELIEF" YIII type Steel

Public name : Photopolymerizable plate for printing

3. Composition/Information on Ingredients

<u>Common chemical name</u>	<u>Composition(%)</u>
Steel	55 - 80
Polyvinylalcohol derivative	5 - 20
(Meth)acrylate ester monomer	5 - 20
Polyethylene terephthalate	3 - 5
Photo initiator	< 1
Additives	< 5

4. Handling

[In the washout process]

Wear impervious glove made from neoprene, as appropriate. Wear the protection goggle or shield.

The washout waste fluid has a stimulus property for eyes. The stimulation for eyes may increase especially when the polymer concentration is high.

Ensure first aid measures as below.

Skin contact:

Wash with a soap and fresh water when washouting waste fluid come into contact with the skin.

Get an adequate diagnosis and a medical cure if the skin irritation or rash on the skin is felt / recognized.

Eye contact:

Rinse immediately with fresh water carefully for more than several minutes if eye contact with powders

containing nanomaterials. Diagnosis or a medical cure is required if eye irritation persists. Remove the contact lenses before rinsing eyes.

Ingestion:

Wash immediately with a lot of fresh water and get an adequate diagnosis and a medical cure when the washouting waste fluid got into eyes. Take off your contact lenses if easily possible and keep washing.

5. Fire-Fighting Measures

Ignition temperature	:	>400°C
Density	:	1.2 g/m ³ (Photopolymer layer)
Specific Hazards under fire	:	The carbon oxide or some irritating and toxic gas might be generated by the thermolysis or combustion.
In case of fire, use	:	water mist, water jet, fire foam, powder extinguisher, and CO ₂
Protection of fire-fighters	:	Wear an adequate tool for protection for breathing, a protection shield, a oil-resistant protection gloves in fire fighting.

6. Disposal Consideration

Follow Waste Disposal and Public Cleaning Law and regulations of nations, cities, towns, and villages in disposal, and entrust disposal to licensee of waste disposal or storage.

[Product]

This product is classified into waste plastics of industrial waste.

To dispose the plate with ink after printing, please refer and follow the appropriate ink MSDS as well.

[Washouting waste fluid]

This washouting waste fluid is classified into waste acid of industrial waste.

Do not discharge into drains or the environment directly.

7. Transport Information

International guide line	:	Inapplicable from laws and regulations about the United Nations classification et al. transportation.
Specific safety measures and conditions on transport	:	Follow the national or local regulations in each area. Load the products rightly to avoid falling and collapse in the cargo bay.

8. Other Information

This AIS is to provide the information related the environment safety for the operators. This is nothing related to guarantee the plate performance quality.

The information contained in this AIS represents the best available information as of this moment. The hazards herewith are as to the proper handling of this product for the standard plate making procedures. However, the certain hazards are described herein do not relate to any other specific handling or process.

END