

CREATED 2013/03/29  
 UPDATED 2018/07/26

## Safety Data Sheet

### 1. Identification of the substance/mixture and of the company

- 1.1 Product identifier  
 AXTAR G,H,M,N,F Type
- 1.2 Other means of identification  
 Product No.(SDS No.) C3E-UF0000UF0216-4-1
- 1.3 Recommended use of the chemical and restrictions on use  
 (1)Recommended use  
 Industrial Materials  
 (2)Restrictions on use  
 Use only as an article.
- 1.4 Supplier's details  
 (1)Company name Toray Industries, Inc.  
 (2)Address 3-3, Nakanoshima 3-chome, Kita-ku, Osaka 530-0822 JAPAN  
 (3)Department Performance Nonwoven Products Dept.  
 (4)Person in charge General Manager of Performance Nonwoven Products Dept.  
 (5)Telephone number +81-6-7688-3233  
 (6)Fax number +81-6-7688-3237  
 (7)E-mail Address/URL Fusyokufumailbox@nts.toray.co.jp
- 1.5 Emergency phone number Non Woven Fabrics Technical Dept. / +81-77-533-8241

### 2. Hazards Identification

- 2.1 GHS classification of the substance or mixture  
 This product is an Article. So it is outside the object for classification under according to JIS Z 7252: 2014 (Labeling of chemicals based on GHS).
- 2.2 GHS label elements  
 Not applicable.
- 2.3 Other hazards which do not result in classification  
 Nothing in particular.
- 2.4 Major symptom and envisioned emergencies  
 Nothing in particular.

### 3. Composition/Information on Ingredients

- (1)Product definition Article
- (2)Composition/information on ingredients
- A.Information on ingredients
- |   |  |
|---|--|
| Chemical identity of the substance                      | Polyethylene terephthalate   |
| Content(%)  | <85  |
| Chemical property(chemical formula, structural formula) | -(OCH <sub>2</sub> CH <sub>2</sub> OCO(C <sub>6</sub> H <sub>4</sub> )CO) <sub>n</sub> -     |
| CAS No.   | 25038-59-9   |
| ENCS No.(Chemical Substances Control Law)               | 7-1022   |
| ISHL No.(Industrial Safety and Health Act)              | Existing chemical substance  |
| TSCA  | Registered   |
| Chemical identity of the substance                      | Polyester co-polymer   |
| Content(%)  | <30  |
| Chemical property(chemical formula, structural formula) | -(CO(p,m-C <sub>6</sub> H <sub>4</sub> )COOCH <sub>2</sub> CH <sub>2</sub> O) <sub>n</sub> - |

CAS No.	24938-04-3
ENCS No.(Chemical Substances Control Law)	7-1026
ISHL No.(Industrial Safety and Health Act)	Existing chemical substance
TSCA	Registered
Chemical identity of the substance	Titanium dioxide
Content(%)	<0.29
Chemical property(chemical formula, structural formula)	TiO <sub>2</sub>
CAS No.	13463-67-7
ENCS No.(Chemical Substances Control Law)	1-558
ISHL No.(Industrial Safety and Health Act)	Existing chemical substance
Notifiable number for ISHL	191
TSCA	Registered
EC No.	236-675-5

#### 4. First-aid measures

##### 4.1 Description of first aid measures

###### Inhalation :

In case of accident or if you feel unwell, seek medical advice immediately.

###### Skin contact :

It cools off, and do not tear it off with cold water forcibly if it touches the molten thing of the nonwoven fabric.

Take a medical advice in the case of the burn.

###### Eye contact :

Gently rinse the affected eyes with clean water for at least 15 minutes. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

Have the victim remove contact lenses if he is wearing them and continue rinsing.

Do not let the victim rub his eyes.

###### Ingestion :

Rinse mouth with water. Give the person one or two glasses of water, try to get the victim to vomit by putting a finger in the throat.

##### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

##### 4.3 Indication of any immediate medical attention and special treatment needed

No information available.

#### 5. Firefighting measures

##### 5.1 Extinguishing Media :

###### (1) Suitable extinguishing media

Water spray/Foam/Powder/Carbon dioxide (CO<sub>2</sub>)

###### (2) Unsuitable extinguishing media

Nothing in particular.

##### 5.2 Special hazards arising from the product

Fires involving this material produce large amounts of sooty smoke.

Dense smoke emitted when burned without sufficient oxygen.

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

##### 5.3 Specific fire-fighting measures

Protect surrounding equipment by spraying water from a safe distance.

Be sure to extinguish a fire from the windward side and keep a safe distance from a fire.

Unauthorized personnel shall be evacuated to a safe place.

#### 5.4 Special protective actions for fire-fighters

Firefighters should wear proper protective equipment.

### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear proper protective equipment.

#### 6.2 Environmental precautions

Do not wash away into shower or waterway.

When dropping a product on a road and the floor, there is risk of slip and fall, you should collect all of it.

#### 6.3 Methods and materials for containment and cleaning up

Nothing in particular.

#### 6.4 Preventive measures against second disasters

Remove possible sources of ignition in the surrounding area.

### 7. Handling and storage

#### 7.1 Precautions for safe handling

##### (1) Technical measures

##### A. Exposure control of handler

When using do not smoke.

Avoid contact with eyes.

##### B. Prevention of fire/explosion

Use reduced-sparking hand tools.

##### (2) Local/general exhaust ventilation

No special measures are required.

##### (3) Precautions

No special measures are required.

##### (4) Precautions for safe handling

No special measures are required.

##### (5) Proper hygiene measures

Wash hands before intermissions or and after work.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### (1) Technical measure

No special measures are required.

##### (2) Proper storage condition

No information available.

##### (3) Storage condition to avoid

Keep away from heat.

Keep away from sources of ignition.

##### (4) Safe container materials

No special measures are required.

### 8. Exposure Control/Personal Protection

#### 8.1 Control parameters

Not applicable.

#### 8.2 Exposure controls

When harmful gas occurs by the resinous resolution at a high temperature process or dust occurs in the handling, you should install a limited part exhaust.

#### 8.3 Individual protection measures

##### (1) Respiratory protection

For most conditions, no respiratory protection should be needed, however, in dusty

atmospheres, use an approved dust respirator.

(2)Hand protection

Selection of gloves will depend on operation.

(3)Eye protection

Wear protective glasses or safety goggles.

(4)Skin and body protection

No additional preventive measure should be necessary if clean work clothes are worn.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical properties :

Appearance : solid

Color : White

Odor : None

Phase change temperature :

Melting point : 220-260°C

Decomposition temperature : >290°C

Ignition temperature : >483°C

Density : 1.38

Solubility :

Solubility in solvent :

in water -Insoluble

### 9.2 Other information

No information available.

## 10. Stability and reactivity

### 10.1 Chemical stability

This product is considered stable under ordinary storage and handling condition.

### 10.2 Reactivity

No information available.

### 10.3 Conditions to avoid

Nothing in particular.

## 11. Toxicological Information

### 11.1 Toxicological information of the product.

No known critical hazards.

## 12. Ecological Information

### 12.1 Ecological information of the product.

No known significant effects or critical hazards.

## 13. Disposal considerations

### 13.1 Waste treatment methods

If you reclaim it up, according to "The law about disposal and cleaning of industrial waste", delegate the disposal to an official industrial waste disposer or local public agency.

If you burn it up, take it for adapted measures in the laws and ordinances such as "the prevention of air pollution regulations" and burn it up in an incinerator.

## 14. Transport information

### 14.1 The Laws and Regulations for transportation in Japan

Land transportation	Not applicable.
Marine transportation	Not applicable.
Air transportation	Not applicable.

### 14.2 Safety measures and conditions on transportation

- Cover it so that it is not exposed to direct rays of the sun and wind and rain.
- Avoid violent handling so that a packing bag is not torn.

## 15. Regulatory information

Japan Society for Occupational Health  
Titanium dioxide

The details of laws are reference with a Japanese MSDS

Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

## 16. Other Information/References

Date of issue/Date of revision

Date of revision 2018/07/26

Revised item F type has been added to 1.1 Product identifier.

Disclaimer

This SDS is made based on information and data currently available to us. It may be revised and updated when new information becomes available to us.

Although certain danger and hazard are described herein, we can not guarantee that there is no other danger or hazard in or related to the materials. All materials may have unknown danger or hazard and should be used and handled in caution. Subject to user's ordinary use and handling, all remarks and precautions herein are described and it is user's responsibility to implement appropriate safety measures in case of their particular uses. Users should confirm and evaluate the safety of all materials, including its combination with other materials or parts and the suitability of the materials for their purposes on their own responsibilities.

No warranty, express or implied, is made with respect to the materials, including the completeness or accuracy of this information and we assume no liability for any damage resulting from user's use or handling of any materials.