

CREATED : 2021/9/23

Safety Data Sheet

1. Chemical Product and Company Identification

1.1 Product name : HDT804525RMV/T

1.2 Supplier' s details

(1) Name of supplier : Toray Fibers (Nantong) Co., Ltd. (TFNL)

(2) Address :58 Xinkai (south) Road, Nantong Economic & Technological Development Zone,
Nantong Jiangsu, P.R. CHINA

(3) Sales Department : Air Filter Sales Dept.

(4) Manager of Sales Department : Vice General Manager of Air Filter Sales Dept.

(5) Telephone number : 0086-513-8905-3082

(6) FAX number : 0086-513-8905-3083

(7) Technical Department : Air Filter Technical Dept.

(8) Manager of Technical Department : General Manager of Air Filter Technical Dept.

(9) Telephone number: 0086-513-8905-3085

(10) FAX number : 0086-513-8905-3083

1.3 Recommended use of the chemical and restrictions on use : Air Filter

1.4 Product No.(SDS No.) : AF3E-LM067-1

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.

3. Composition/Information on Ingredients

(1) Product definition Mixture

(2) Composition/information on ingredients

A. Information on ingredients

Chemical identity of the substance: Polyethylene terephthalate

Content(%) non-disclosure

CAS No. 25038-59-9

Chemical identity of the substance: Polyethylene terephthalate Copolymer

Content(%) non-disclosure

CAS No. non-disclosure



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Chemical identity of the substance: Titanium dioxide

Content(%) non-disclosure

CAS No. 13463-67-7

Chemical identity of the substance: Flame retardant

Content(%) non-disclosure

CAS No. non-disclosure

Chemical identity of the substance: Anti-mildew agent

Content(%) non-disclosure

CAS No. 148-79-8

* Corresponds to D division of GADSL

* Substance under application for BPR regulation

Chemical identity of the substance: Anti-bacterial & Anti-virus agent

Content(%) non-disclosure

CAS NO.:130328-19-7

CAS NO.:130328-18-6

* Substance under application for BPR regulation

Chemical identity of the substance: Polyethylene

Content(%) non-disclosure

CAS No. 9002-88-4

Chemical identity of the substance Polypropylene

Content(%) non-disclosure

CAS No. 9003-07-0

Chemical identity of the substance: Activated Carbon

Composition(%) non-disclosure

CAS No. 7440-44-0

Chemical identity of the substance: Graphite

Composition(%) non-disclosure

CAS No. 12777-87-6

Chemical identity of the substance: Silica

Content(%) non-disclosure

CAS No. non-disclosure



4. First-aid measures

4.1 Description of first aid measures

In case of accident by inhalation of combustion gas, remove victim to fresh air.

If you have cough or difficulty breathing, seek medical advice immediately.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice immediately.

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/Water jet/Foam/Powder/Carbon dioxide (CO2)

(2) Unsuitable extinguishing media

Nothing in particular.

5.2 Special hazards arising from the product

Toxic gases will form upon combustion of carbon monoxide, Fires involving this material produce large amounts of sooty smoke.

5.3 Specific fire-fighting measures

Keep personnel removed from and upwind of fire.

5.4 Special protective actions for fire-fighters

Wear a respiratory protection as toxic fumes or gas is formed by combustion or high temperature.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Nothing in particular.

6.2 Environmental precautions

Nothing in particular.

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

There is a possibility which will be in the oxygen shortage state by oxygen adhesion of activated carbon at the place made airtight, so it's treated at a well ventilated place.

B. Prevention of fire/explosion

Keep away from ignition sources such as heat/ sparks/ open flame.-No smoking.

Keep away from flames and hot surfaces.

(2) Local/general exhaust ventilation

No special measures are required.

(3) Precautions

Non-washable

7.2 Conditions for safe storage, including any incompatibilities**(1) Technical measure**

No special measures are required.

(2) Proper storage condition

Protect from sunlight.

Store in a well-ventilated place. Keep cool.

(3) Storage condition to avoid

Do not store near strong oxidizing substances and ignition sources.

(4) Safe container materials

Polyethylene sheet

8. Exposure Control/Personal Protection**8.1 Control parameters**

Not applicable.

8.2 Exposure controls

Not applicable.

Activated Carbon; Use process enclosures and/or exhaust ventilation to keep airborne dust concentrations below the applicable occupational exposure limit.

8.3 Individual protection measures**(1) Respiratory protection**

No special measures are required for usual handling.

Appropriate respiratory protection is put on according to the kind of resolution and work..

(2) Hand protection

No special measures are required for usual handling.

Appropriate hand protection is put on according to the kind of resolution and work.

(3) Eye protection.

No special measures are required for usual handling.

Appropriate eye protection is put on according to the kind of resolution and work.

(4) Skin and body protection

Appropriate skin and body protection is put on according to the kind of resolution and work.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical properties :

Appearance : solid Synthetic fibers

Color :Red

Odor :None

Phase change temperature

pH : No information available.

Melting point: 255–265 degreeC (Polyethylene terephthalate)

155–170 degreeC (Polypropylene)

100–120 degreeC (Polyethylene)

Flash point: No information available.

Ignition temperature: No information available.

Explosion: None

Vapour pressure: None

Vapour density: None

Density: 0.28–0.38g/cm³

Solubility: Water: not soluble

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

Under normal conditions of storage and use, hazardous reactions will not occur.

Hot overheating in the air and contact with strong oxidizing agent of ozone, lox, AgNO₃ and the hydrogen peroxide are avoided. Sudden oxidation (burning) and ignition of activated carbon are caused.

10.3 Conditions to avoid

Gas with black smoke and harmful carbon monoxide is sometimes generated by pyrolysis and an imperfect combustion at the time of fire, so when burning up, a perfect combustion by hotness is recommended.

11. Toxicological Information

11.1 Toxicological information of the product.

No known critical hazards.

Acute toxicity :



N.A.

Skin corrosion/irritation :

N.A.

Serious eye damage/eye irritation :

N.A.

Respiratory or skin sensitization :

N.A.

Germ cell mutagenicity :

N.A.

Carcinogenic effects :

The polypropylene fibers are classified in group 3 by IARC carcinogenicity division.

It cannot be classified about carcinogenicity for a person.

Toxicity for reproduction :

N.A.

Specific Target Organ/Systemic Toxicity (Repeated Exposure) :

N.A.

Aspiration hazards :

N.A.

12. Ecological Information

12.1 Ecological information of the product.

No known significant effects or critical hazards.

12.2 Persistent/degradability

polypropylene fibers: It is stable in nature and does not decompose.

Do not throw into the ocean, water area because there is fear that
marine Organisms and birds may consume,

12.3 Ecological Accumulation

No information available

13. Disposal considerations

13.1 Waste treatment methods

This product shall be properly disposed of as plastic waste in accordance with Wastes
Disposal and Public Cleaning Act and ordinances by local government.

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 the product in order to protect from direct sunlights, winds and rains.

Treat carefully the wrapping of product.

Be careful not to slip and upset if wrapping is broken and the product is split.

15. Regulatory Information

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

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 cannot 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.

References :

This SDS conform to the JIS standard and JAPAN SDS making guideline

