

Product name Vander
MSDS number 870310031
Revision Number 1.01

Revision Date Oct.01.2013
Issuing date Mar.07.2014

AGHS/EN

1. Identification of the substance/preparation and the company/undertaking

Product name
Vandar

The following SDS applies to products described by combinations of the following trade name, product grade and color code listed below.

Product Grade(s):
8000, 8000A

Color Code:
See Section 16 for list of Color Codes

Manufacturer or supplier's details

Celanese (Shanghai) International Trading Co., Ltd.
Room 239, Xinmao Building
South Taizhong Road
Waigaoqiao Free Trade Zone
Shanghai, China

Celanese Pte Ltd
138 Robinson Road
#17-00
Singapore (068906)

Product Information
info-engineeredmaterials-asia@celanese.com

Emergency telephone number
+(65) 62656917 (Operations Room direct dial)
or fax request to +(65) 62664696 (Facsimile to Operations Room)
or email to posh.er@paccoffshore.com.sg

In China Emergency Number: 86-532-83889090 (NRCC)

Synonyms:
Polybutylene terephthalate / PBT Thermoplastic polyester

Identified uses
Plastic processing industry.

2. Hazards identification

GHS Classification

Hazards
Carcinogenicity

Category
Category 2

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Symbol(s)



Labeling

Signal Word

Warning

Hazard Statements

H351 - Suspected of causing cancer

Precautionary Statements

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P281 - Use personal protective equipment as required
P308 + P313 - IF exposed or concerned: Get medical attention/advice
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local regulations.

3. Composition/Information on ingredients

Chemical characterization

Polybutylene Terephthalate / PBT; Basic CAS-RN: 30965-26-5 and 26062-94-2 with flame retardant

Components	CAS-No	Percent %
Antimony trioxide	1309-64-4	< 8
Tetrahydrofuran	109-99-9	< 0,5

4. First aid measures

Skin

Cool skin rapidly with cold water after contact with molten polymer. Immediate medical attention is required. Do not peel solidified product off the skin.

Eyes

Immediately flush eye(s) with plenty of water. Call a physician if irritation persists.

Inhalation

Move to fresh air in case of accidental inhalation of vapors. Get medical attention immediately if symptoms occur.

Ingestion

If swallowed, do not induce vomiting - seek medical advice.

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Notes to physician

This product is essentially inert and nontoxic. However, if it is heated at too high a temperature or if it is burned, gases may be released. Patients who have been exposed to off-gases may need to have their arterial blood gases and carboxyhemoglobin levels checked. If the carboxyhemoglobin levels are normal, asphyxia (carbon dioxide replacing oxygen) is a possibility. As with any fire, irritant gases may have formed. If patients may have inhaled high concentrations of irritating fumes, they should be monitored for delayed onset pulmonary edema.

5. Fire-fighting measures

NFPA: Health: 1 Flammability: 0 Instability: 0

Suitable extinguishing media

Water, Foam, Dry powder

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Carbon monoxide
Carbon dioxide (CO₂)
Hydrogen halides
Sb(x)O(y)Br(z) compounds

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other Information

Keep people away from and upwind of fire

6. Accidental release measures

Personal precautions

Do not breathe dust. Avoid dust formation.

Environmental precautions

No special environmental precautions required.

Methods for cleaning up

Use mechanical handling equipment.

7. Handling and storage

Advice on safe handling

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Avoid dust formation.

Incompatible products

strong bases

Protection - fire and explosion:

Keep away from sources of ignition - No smoking. Potential dust explosion hazard.

Material storage

Keep in a dry, cool place.

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Incompatible products
 strong bases

Technical measures/Storage conditions
 No special storage conditions required.

8. Exposure controls / personal protection

ACGIH Exposure Limits

Components	TWA
Tetrahydrofuran	50 PPM
Antimony trioxide	0.5 mg/m ³

Components	STEL
Tetrahydrofuran	100 PPM

Exposure controls

Engineering measures

General: May not be adequate as the sole means to control employee exposure.
 Local Exhaust: Recommended when appropriate to control employee exposure to dust or process vapors.

Personal protective equipment

General advice

Do not breathe dust. Avoid contact with skin and eyes.

Hygiene measures

When using, do not eat, drink or smoke. Clean skin thoroughly after work; apply skin cream. Do not inhale dust particles, during processing glass or glass dust particles are set free and cause irritation to the respiratory passage. Wash hands before breaks and at the end of workday.

Respiratory protection

Wear dust mask when handling large quantities.

Eye protection

safety glasses with side-shields.

Skin protection

Avoid contact with skin

Hand protection

Suitable material Type

Chemicals resistant gloves
 Butyl-rubber
 Butoject (Company KCL) or comparable article;
 or refer to glove manufacturer's recommendation

Evaluation

Material thickness

Break through time

according to EN 374: level 6
 approx. 0.3 mm
 480 min

9. Physical and chemical properties

Appearance

Form

pellets

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9. Physical and chemical properties

Odor	slight , specific
Flash point	Not applicable
Ignition temperature	>420°C
Density	approx 1.38 - 1.55 g/ml @ 20°C
Bulk density	approx 600 - 900 kg/m ³ @20 °C
Water solubility	insoluble
VOC Content(%)	None

10. Stability and reactivity

Chemical stability

Stable under normal conditions

Conditions to avoid

Flame. Avoid temperatures above 271 °C / 520 °F.

Incompatible Materials

strong bases

Hazardous Combustion or Decomposition Products:

Aldehydes, ketones, esters, acids, alcohols, butadiene, tetrahydrofuran, toluene, benzoic acid, terephthalic acid

11. Toxicological information

When handled appropriately, even after long years of experience with this product, no adverse health effects are known. Antimontrioxide is fixed inside the polymer granulate. Therefore there is no health hazard regarding dust formation of Antimontrioxide..

12. Ecological Information

Ecotoxicological data are not available. Do not discharge product unmonitored into the environment.

13. Disposal considerations

Product information

Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal

Uncleaned empty packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse

14. Transport information

US Department of Transportation Not regulated

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14. Transport information

ADR/RID Not regulated

ADN Not regulated

ICAO/IATA Not restricted

IMDG Not regulated

15. Regulatory information

INTERNATIONAL REGULATIONS

This preparation is classified as dangerous according to Chinese legislation

This mixture is classified as dangerous according to Japanese legislation

16. Other information

HMIS: Health: 1

Flammability: 0

Physical Hazard: 0

Color code(s)

MD3060, MF2001, MG3164

Prepared By

Product Stewardship Department
Celanese

Other Information:

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Changes against the previous version are marked by ***

Sources of key data used to compile the datasheet

Information contained in this safety data sheet is based on Celanese owned data and public sources deemed valid or acceptable.

Further information

This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality