

Product name Zenite®
MSDS number 871010151
Revision Number 1.01

Revision Date Oct.01.2013
Issuing date Oct.22.2013

AGHS/EN

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

Product name
Zenite®

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

Product Grade(s):
5330L, 5333, 55311E, 6330, 6330L, 7340, SEA 10 N

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

Synonyms:
Liquid crystal polymer / LCP

Identified uses
Plastic processing industry.

2. Hazards identification

Statements of Hazard Not a dangerous product according to GHS

Product name Zenite®
MSDS number 871010151
Revision Number 1.01

Revision Date Oct.01.2013
Issuing date Oct.22.2013

AGHS/EN

3. Composition/Information on ingredients

Chemical characterization Liquid crystal polymer / LCP, unreinforced

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.

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)
Nitrogen oxides (NO_x)

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other Information

Potential dust explosion hazard Keep people away from and upwind of fire

6. Accidental release measures

Personal precautions

Do not breathe dust. Avoid dust formation.

Product name Zenite®
 MSDS number 871010151
 Revision Number 1.01

Revision Date Oct.01.2013
 Issuing date Oct.22.2013

AGHS/EN

Environmental precautions

No special environmental precautions required.

Methods for cleaning up

Use mechanical handling equipment.

7. Handling and storage**Advice on safe handling**

Avoid dust formation. Do not breathe vapours/dust. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

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.

Incompatible products

strong bases

Technical measures/Storage conditions

No special storage conditions required. Avoid dust formation.

8. Exposure controls / personal protection**ACGIH Exposure Limits**

Components	TWA
Carbon black	3.5 mg/m ³

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**Hygiene measures**

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

Skin protection

Skin protection

Hand protection

protective gloves

Suitable material

Butyl-rubber

Type

Butoject (Company KCL) or comparable article;
 or refer to glove manufacturer's recommendation

Evaluation

according to EN 374: level 6

Product name Zenite®
MSDS number 871010151
Revision Number 1.01

Revision Date Oct.01.2013
Issuing date Oct.22.2013

AGHS/EN

Material thickness approx. 0.3 mm
Break through time 480 min

9. Physical and chemical properties

Appearance

Form pellets
Odor specific , slight

Flash point Not applicable
Ignition temperature > 540°C
Method ASTM D 1929
Density 1.3-1.4 g/ml @ 20°C
Bulk density approx 600-900 kg/m³ @20 °C
Water solubility insoluble

10. Stability and reactivity

Chemical stability

Stable under normal conditions

Conditions to avoid

Contact with strong alkali solutions may soften the material.

Incompatible Materials

strong bases

Hazardous Combustion or Decomposition Products:

Thermal decomposition products may include oxides of nitrogen and carbon.

11. Toxicological information

Toxicological data are not available. When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

12. Ecological Information

According to experience, the material has no harmful effect on the environment. 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

Product name Zenite®
MSDS number 871010151
Revision Number 1.01

AGHS/EN

Revision Date Oct.01.2013
Issuing date Oct.22.2013

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

ADR/RID Not regulated

ADN Not regulated

ICAO/IATA Not restricted

IMDG Not regulated

15. Regulatory information**INTERNATIONAL REGULATIONS**

This preparation is not classified as dangerous according to Chinese legislation

This mixture is not classified as dangerous according to Japanese legislation

16. Other information

HMIS: Health: 1

Flammability: 0

Physical Hazard: 0

Color Code(s):

BK010, D-3, VD3006

Prepared By

Product Stewardship Department
Celanese

Other Information:

Observe national and local legal requirements. Except as otherwise noted, all of the trademarks referenced herein are owned by Ticona or its affiliates. .

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