

1. IDENTIFICATION

Trademark	: ULTEM™ resin
Product name	: 9085-1100
Product description	: Polyetherimide
Appearance	: pellets
Recommended use	: May be used to produce molded or extruded articles or as a component of other industrial products. Manufacture of plastics products, including compounding and conversion
Restrictions on use	: For industrial use only.
Supplier	: SABIC 2500 City West Blvd, Suite 650 Houston, TX 77042 USA Telephone: +1 (713) 532-4999 For inquiries in Canada, contact: SABIC 44 Normar Road Cobourg, ON K9A 4L7, Canada Telephone: (905) 372-6801
Emergency SABIC Telephone #	: 800 424-9300 (USA) +1 703-527-3887 (globally, outside USA)
Emergency Transportation #	: CHEMTREC, U.S. : (800) 424-9300 International: +1 (703) 527-3887
E-mail address	: sds.info@sabic.com
Website	: http://www.sabic.com

2. HAZARDS IDENTIFICATION**GHS Remark**

The additives in this product (if any) are bound in a thermoplastic resin matrix. In accordance with GHS for the classification of the product, the hazard potential may be assessed with respect to the physico-chemical form and/or bioavailability of the individual components in the thermoplastic resin. UN GHS says, that even if adverse effects are seen in animal studies or in-vitro tests, no classification is needed if the mechanism or mode of action is not relevant to humans. The European CLP Regulation also mentions, that no classification is indicated if the mechanism is not relevant to humans. Where GHS classifications are shown below, these are based on the individual components in the thermoplastic resin matrix. Under the typical use conditions for the resin, these hazardous components are unlikely to contribute to workplace exposure. Please read the entire safety data sheet and/or consult an EHS professional for a complete understanding.

GHS Classification

Not a hazardous substance or mixture.

GHS Label elements

Not a hazardous substance or mixture.

Other hazards which do not result in classification**SABIC Emergency Overview**

Pellets with slight or no odor

Spilled material may create slipping hazard.

Can burn in a fire creating dense, toxic smoke

Molten plastic can cause severe thermal burns

Fumes produced during melt processing may cause eye, skin, and respiratory tract irritation. Severe over-exposure may result in nausea, headache, chills, and fever.

Secondary operations, such as grinding, sanding, or sawing can produce dust which may present an explosion or respiratory hazard.

Other information

OSHA, IARC and/or NTP have listed carbon, titanium dioxide, crystalline silica (quartz), respirable glass and certain heavy metals, present in some colorants and fillers, as carcinogens. If these materials are present in this product at significant quantities, they are shown in Section 2/3. These materials are essentially bound to the plastic matrix and are unlikely to contribute to workplace exposure under recommended processing conditions.

Processing Issues

Processing vapors may cause irritation to the eyes, skin, and respiratory tract. In cases of severe exposure, nausea and headache can also occur. Grease-like processing vapor condensates on ventilation ductwork, molds, and other surfaces can cause irritation and injury to skin.

Aggravated Medical Condition

MEDICAL RESTRICTIONS: There are no known health effects aggravated by exposure to this product. However, certain sensitive individuals and individuals with respiratory impairments may be affected by exposure to components in the processing vapors.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Mixture

Hazardous components

No hazardous ingredients

Components which are considered potential hazards to health or the environment, if present above minimum concentrations, are listed above. Any concentration shown as a range is to protect confidentiality and/or is due to batch variation. Any non-hazardous components are being withheld as a trade secret. This product consists primarily of high molecular weight polymers which are not expected to be hazardous. Furthermore, any additives in this product are present within the polymer matrix and are not expected to be hazardous under recommended use conditions. Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

General advice : Thermal decomposition can lead to release of irritating gases and vapours. Move the victim to fresh air. Obtain medical attention.

If inhaled	: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
In case of skin contact	: After contact with skin, wash immediately with plenty of cold water. Wash off immediately with soap and plenty of water. Consult a physician. If skin irritation persists, call a physician.
In case of eye contact	: Immediately flush eye(s) with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Negligible or unlikely exposure pathways. If accidentally swallowed, obtain immediate medical attention.
Notes to physician	: No information available.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.
Specific hazards during firefighting	: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Material is not sensitive to mechanical impact.
Hazardous combustion products	: Fire will produce dense black smoke containing hazardous combustion products, carbon oxides, hydrocarbon fragments, hydrogen cyanide, nitrogen oxides. If present, certain hazardous additives can also liberate halogenated hydrocarbons.
Further information	: Take precautionary measures against static discharges. During processing, dust may form explosive mixture in air. Thermal decomposition can lead to release of irritating gases and vapours.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary. Stay upwind/ keep distance from source.
Explosive properties	: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Take precautionary measures against static discharges.
Environmental precautions	: Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal. Do not create a powder cloud by using a brush or compressed air.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice. Provide for appropriate exhaust ventilation and dust collection at machinery. Avoid dust formation. All metal parts of the mixing and processing equipment must be earthed. Open containers only in well-ventilated area.

Storage

Conditions for safe storage : Keep tightly closed in a dry and cool place. Keep away from heat and sources of ignition. Residual monomer vapors can accumulate in the headspace of closed containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Handle in accordance with good industrial hygiene and safety practice. Provide appropriate exhaust ventilation at machinery. Processing fume condensate may be a fire hazard and toxic; remove periodically from exhaust hoods, ductwork, and other surfaces using appropriate personal protection.

Personal protective equipment

Respiratory protection : Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapours. If dust or powder are produced from secondary operations such as sawing or grinding, use a respirator approved for protection from dust.

Hand protection

Material : Wear protective gloves.

Eye protection : Safety glasses with side-shields Chemical resistant goggles must be worn.

Skin and body protection : Long sleeved clothing

Protective measures : Wear suitable protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: pellets
Physical state	: solid
Colour	: natural
Odour	: none or slight
Odour Threshold	: No information available.
pH	: No data available
Melting point/range	: This product does not exhibit a sharp melting point but softens gradually over a wide range of temperatures.
Boiling point/boiling range	: not determined
Flammability	: No information available.
Upper explosion limit	: not determined
Lower explosion limit	: not determined
Vapour pressure	: negligible
Relative vapour density	: not determined
Relative density	: >1
Density	: not determined
Bulk density	: 500 kg/m ³
Water solubility	: insoluble
Solubility in other solvents	: not determined
Partition coefficient: n-octanol/water	: No information available.
Auto-ignition temperature	: not determined
Decomposition temperature	: not determined
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable

10. STABILITY AND REACTIVITY

Reactivity	: Stable under recommended storage conditions.
Chemical stability	: Stable at normal ambient temperature and pressure. Hazardous polymerisation does not occur.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: To avoid thermal decomposition, do not overheat. Heating can release hazardous gases. Do not exceed melt temperature recommendations in product literature. Purgings of hot material should be collected in small, flat, thin shapes and quenched with water to allow for rapid cooling. Do not allow product to remain in barrel at elevated temperatures for extended periods of time.
Incompatible materials	: No special restrictions on storage with other products.
Hazardous decomposition products	: Process vapors under recommended processing conditions may include trace levels of ,hydrocarbons, phenols, alkylphenols, diarylcarbonates

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity

Remarks: >5000 mg/kg (estimated)

Acute dermal toxicity

Remarks: >2000 mg/kg (estimated)

Experience with human exposure

Product:

- Inhalation : Remarks: Inhalation unlikely due to physical form. Processing fumes evolved at recommended conditions may contain trace amounts of hazardous chemicals. Extreme processing conditions or temperatures may result in higher levels. Processing vapors may cause irritation to the eyes, skin, and respiratory tract. In cases of severe exposure, nausea and headache can also occur. Grease-like processing vapor condensates on ventilation duct work, molds, and other surfaces can cause irritation and injury to skin.
- Skin contact : Remarks: Not a hazard during normal industrial use. If present, some additives (like glass fiber or flame retardants) may cause skin irritation in susceptible persons.
- Eye contact : Remarks: Resin particles, like other inert materials, are mechanically irritating to eyes.
- Ingestion : Remarks: Ingestion unlikely due to physical form.

Further information

Product:

Special Studies: The toxicological data has been taken from products of similar composition.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological
information

Do not flush into surface water or sanitary sewer system.
Based on the ecotoxicology studies conducted on fine
particles/fibers in the sub-micron range, this material is not
expected to be environmentally hazardous under normal use.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

- Waste from residues : Where possible recycling is preferred to disposal or
incineration. Empty containers should be taken to an
approved waste handling site for recycling or disposal.
- Contaminated packaging : Where possible recycling is preferred to disposal or
incineration. Can be landfilled or incinerated, when in
compliance with local regulations.

14. TRANSPORT INFORMATION**ADR**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

UNRTDG

Not regulated as a dangerous good

National Regulations**TDG**

Not regulated as a dangerous good

15. REGULATORY INFORMATION**The components of this product are reported in the following inventories:**

- REACH (European Union) : For further information, please contact: Manufacturer,
importer, supplier

CH INV (Switzerland)	: The formulation contains substances listed on the Swiss Inventory Not in compliance with the inventory
TSCA (USA)	: On TSCA Inventory
DSL (Canada)	: All components of this product are on the Canadian DSL
CEPA (Canada)	: Not in compliance with the inventory
AICS (Australia)	: Not in compliance with the inventory
NZIoC (New Zealand)	: On the inventory, or in compliance with the inventory
ENCS (Japan)	: On the inventory, or in compliance with the inventory
ISHL (Japan)	: For further information, please contact: Manufacturer, importer, supplier
KECI (Korea)	: On the inventory, or in compliance with the inventory
PICCS (Philippines)	: Polymer exemption Not in compliance with the inventory
IECSC (China)	: On the inventory, or in compliance with the inventory
TCSI (Taiwan)	: For further information, please contact: Manufacturer, importer, supplier
EHSNR (Malaysia)	: For further information, please contact: Manufacturer, importer, supplier
CICR (Turkey)	: For further information, please contact: Manufacturer, importer, supplier

Other applicable national regulatory information

Canadian National Pollutant Release Inventory (NPRI)

Components	CAS-No.	Concentration (%)
1,2-Dichloribenzene	95-50-1	>= 0.01-< 0.1%
Bisphenol-A	80-05-7	< 0.01%
Methylene Chloride	75-09-2	< 0.001%

PBT

This product does not contain any components on the DSL that are classified as Persistent, Bioaccumulative and Toxic (PBT) under CEPA.

WHMIS Classification : Not controlled.

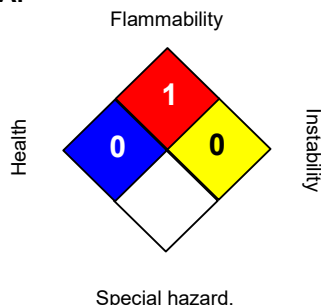
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

Further information

Registered trademark : SABIC and brands marked with TM are trademarks of SABIC or its subsidiaries or affiliates.

Prepared by : Product Stewardship

NFPA:**HMIS III:**

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Disclaimer

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CA / EN

End of Safety Data Sheet