

## SAFETY DATA SHEET

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Revision Number: 2

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### 1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

|                                                     |                                                                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Trademark:</b>                                   | STATLOY*                                                                                                           |
| <b>Product Code:</b>                                | 9X05426C -CLNAT                                                                                                    |
| <b>Product Description:</b>                         | Acrylic copolymer/acrylic-styrene [CASRN proprietary]                                                              |
| <b>Product Type:</b>                                | Commercial Product                                                                                                 |
| <b>Recommended use:</b>                             | May be used to produce molded or extruded articles or as a component of other industrial products.                 |
| <b>Company:</b>                                     | SABIC Innovative Plastics<br>One Plastics Avenue<br>Pittsfield, MA 01201 USA<br>(413) 448-5800<br>www.sabic-ip.com |
| <b>Manufacturer:</b>                                | SABIC Innovative Plastics<br>251 South Bailey Road<br>Thorndale, Pennsylvania 19372<br>United States               |
| <b>Emergency Telephone Number:</b>                  | 800/447-4545                                                                                                       |
| <b>Emergency Transportation/CHEMTREC (24 HOUR):</b> | 800 424-9300 (USA)<br>+1 703-527-3887 (globally, outside USA)                                                      |
| <b>E-mail:</b>                                      | productinquiries@sabic-ip.com                                                                                      |
| <b>Website Address:</b>                             | www.sabic-ip.com                                                                                                   |

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

If present, components listed above are physical or health hazards as defined in the Hazard Communication Standard. The quantities represent typical or average values for the materials shown. Additional compositional data are provided in Section 15, REGULATORY INFORMATION.

### 3. HAZARDS IDENTIFICATION

#### 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. See below for additional effects.
- Secondary operations, such as grinding, sanding, or sawing can produce dust which may present an explosion or respiratory hazard.

#### HMIS Rating

Health: 0

Flammability: 1

Reactivity: 0

#### Skin Contact:

Not a hazard with pellets during normal industrial use.

#### Eye Contact:

Resin particles, like other inert materials, are mechanically irritating to eyes.

#### Inhalation:

Pellet inhalation unlikely due to physical form.

#### Ingestion:

Pellet ingestion unlikely due to physical form.

#### Sensitization:

No information available on this product

#### Other Information:

Cool skin rapidly with cold water after contact with molten material. Heating can release hazardous gases. Hazardous fumes can also occur in post-processing operations.

#### Chronic/Carcinogenic Information

#### Chronic Toxicity:

No information available

#### 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 Conditions:

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.

#### 4. FIRST AID MEASURES

|                              |                                                                                                                                                                                                                                                                                                                                          |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>If Inhalation:</b>        | Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Processing fumes inhalation may be irritating to the respiratory tract. If symptoms are experienced remove victim from source of contamination or move victim to fresh air and obtain medical advice. If symptoms persist, call a physician. |
| <b>On skin contact:</b>      | Immediately cool the skin by rinsing with cold water after contact with hot material. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.                                                                                                                                                 |
| <b>On contact with eyes:</b> | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist.                                                                                                                                               |
| <b>On ingestion:</b>         | No hazards which require special first aid measures.                                                                                                                                                                                                                                                                                     |
| <b>Precautions:</b>          | Cool molten product on skin with plenty of water. Do not remove solidified product. Do not peel polymer from the skin.                                                                                                                                                                                                                   |

#### 5. FIRE-FIGHTING MEASURES

|                                                           |                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Autoignition Temperature:</b>                          | No information available                                                                                                                                                                                                                                                            |
| <b>Explosive Limits</b>                                   |                                                                                                                                                                                                                                                                                     |
| upper:                                                    | Not determined                                                                                                                                                                                                                                                                      |
| lower:                                                    | Not determined                                                                                                                                                                                                                                                                      |
| <b>Suitable Extinguishing Media:</b>                      | Use dry chemical, CO <sub>2</sub> , water spray or "alcohol" foam. Water is the best extinguishing medium. Carbon dioxide and dry chemical are not generally recommended because their lack of cooling capacity may permit re-ignition on larger resin fires (blobs, drools, etc.). |
| <b>Unsuitable Extinguishing Media for Safety Reasons:</b> | Do not use a solid water stream as it may scatter and spread fire.                                                                                                                                                                                                                  |
| <b>Hazards from Combustion Products:</b>                  | Fire will produce dense black smoke containing hazardous combustion products, carbon oxides, hydrocarbon fragments, nitrogen oxides.                                                                                                                                                |
| <b>Special Protective Equipment for Firefighters:</b>     | In the event of fire, wear self-contained breathing apparatus.                                                                                                                                                                                                                      |
| <b>Specific Hazards:</b>                                  | 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 vapors.                                                                                         |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                   |                                                                                                                             |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Clean up:</b>                  | Sweep up and shovel into suitable containers for disposal. Do not create a powder cloud by using a brush or compressed air. |
| <b>Personal Precautions:</b>      | See section 8.                                                                                                              |
| <b>Environmental Precautions:</b> | Do not flush into surface water or sanitary sewer system. Material should not be released into the environment.             |

## 7. HANDLING AND STORAGE

|                  |                                                                                                                                                                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling:</b> | Handle in accordance with good industrial hygiene and safety practices. 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. |
| <b>Storage:</b>  | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat sources and sources of ignition.                                                                                                                       |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                                 |                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Exposure limits:</b>                         | No components with information, unless noted below<br><br><i>*SABIC Recommended Exposure Limits have been established for certain chemicals.</i>                                                                                                                                 |
| <b>Engineering Measures to Reduce Exposure:</b> | In the case of hazardous fumes, wear self-contained breathing apparatus. Wear face-shield and protective suit for abnormal processing problems. Handle in accordance with good industrial hygiene and safety practice. Provide for appropriate exhaust ventilation at machinery. |
| <b>Hand Protection:</b>                         | Protective gloves should be worn                                                                                                                                                                                                                                                 |
| <b>Eye Protection:</b>                          | Safety glasses with side-shields.                                                                                                                                                                                                                                                |
| <b>Respiratory Protection:</b>                  | In the case of hazardous fumes, wear self contained breathing apparatus. In case of insufficient ventilation wear suitable respiratory equipment.                                                                                                                                |
| <b>Body Protection:</b>                         | Long sleeved clothing                                                                                                                                                                                                                                                            |
| <b>Hygiene Measures:</b>                        | When using, do not eat, drink or smoke.                                                                                                                                                                                                                                          |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                           |                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|
| Physical State:           | Solid                                                                                                                |
| Appearance:               | Pellets                                                                                                              |
| Color:                    | Same as color code                                                                                                   |
| Odor:                     | None                                                                                                                 |
| Melting point/range:      | Various This product does not exhibit a sharp melting point but softens gradually over a wide range of temperatures. |
| Autoignition Temperature: | No information available                                                                                             |
| Vapor Pressure:           | Negligible                                                                                                           |
| Water Solubility:         | Insoluble                                                                                                            |
| Evaporation Rate:         | Negligible                                                                                                           |
| Specific gravity:         | >1; (water = 1)                                                                                                      |
| VOC content (%):          | Negligible                                                                                                           |
| Explosive Limits          |                                                                                                                      |
| upper:                    | Not determined                                                                                                       |
| lower:                    | Not determined                                                                                                       |

## 10. STABILITY AND REACTIVITY

|                                   |                                                                                                                                                                                                                           |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stability:                        | Stable under ambient conditions. Hazardous polymerisation does not occur.                                                                                                                                                 |
| Conditions to Avoid:              | To avoid thermal decomposition, avoid elevated temperatures. Heating can result in the formation of gaseous decomposition products, some of which may be hazardous.                                                       |
| Hazardous Decomposition Products: | Process vapors under recommended processing conditions may include trace levels of hydrocarbons, styrene, acrylates, nitrogen oxides (NOx), carbon oxides, acrylic monomer, methyl methacrylate, ethyl acrylate, ammonia. |

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

|                      |                                                                                   |
|----------------------|-----------------------------------------------------------------------------------|
| LD50/oral/rat:       | No information available                                                          |
| LD50/dermal/rabbit:  | No information available                                                          |
| Inhalation:          | Pellet inhalation unlikely due to physical form.                                  |
| Eye Contact:         | Resin particles, like other inert materials, are mechanically irritating to eyes. |
| Skin Contact:        | Not a hazard with pellets during normal industrial use.                           |
| Ingestion:           | Pellet ingestion unlikely due to physical form.                                   |
| Chronic Toxicity:    | No information available                                                          |
| Subchronic Toxicity: | No information available                                                          |
| Primary Irritation:  | Substance does not generally irritate and is only mildly irritating to the skin.  |
| Special Studies:     | No Information                                                                    |

## 12. ECOLOGICAL INFORMATION

|                      |                                                                |
|----------------------|----------------------------------------------------------------|
| Ecotoxicity Effects: | Do not flush into surface water or sanitary sewer system.      |
| Other information:   | Ecological damages are not known or expected under normal use. |

## 13. DISPOSAL CONSIDERATIONS

|                 |                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste Disposal: | Recycling is encouraged. Landfill or incinerate in accordance with federal, state and local requirements. Collected processing fume condensates and incinerator ash should be tested to determine waste classification. |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 14. TRANSPORT INFORMATION

**Transport Classification:**

Not regulated as hazardous for shipment, unless noted below, under current transportation guidelines.

DOT

ADR/RID/ADN

IMDG

ICAO

IATA-DGR

MEXICO

CANADA/TDG

## 15. REGULATORY INFORMATION

### International Inventories:

|                                |            |
|--------------------------------|------------|
| <b>TSCA (USA):</b>             | Listed     |
| <b>DSL (Canada):</b>           | Not listed |
| <b>EINECS/ELINCS (Europe):</b> | Listed     |
| <b>ENCS (Japan):</b>           | Listed     |
| <b>IECSC (China):</b>          | Listed     |
| <b>KECL (Korea):</b>           | Listed     |
| <b>PICCS (Philippines):</b>    | Not listed |
| <b>AICS (Australia):</b>       | Not listed |
| <b>NZIoC (New Zealand):</b>    | Not listed |

### Other Inventory Information:

A "Listed" entry above means all chemical components are on the respective inventory list and/or a qualifying exemption exists for one or more components. A "Not listed" entry above indicates one or more components is restricted from import or manufacture into that country/region. Articles are exempt from registration and are therefore not listed on the national chemical inventories.

### SARA (313) Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA (311, 312) hazard class:

|                                          |   |
|------------------------------------------|---|
| <b>Acute Health Hazard</b>               | N |
| <b>Chronic Health Hazard</b>             | N |
| <b>Fire Hazard</b>                       | N |
| <b>Sudden Release of Pressure Hazard</b> | N |
| <b>Reactive Hazard</b>                   | N |

### Canada:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### WHMIS hazard class:

Non-controlled

### California Proposition 65:

Components in this product known to the State of California to cause cancer and/or reproductive effects, are listed below:

| Chemical Name              | Weight % | California Proposition 65: |
|----------------------------|----------|----------------------------|
| ethyl acrylate<br>140-88-5 | <100 ppm | Type of Toxicity: cancer   |

### RoHS EU Directive 2002/95/EC:

The subject product is in compliance with EU RoHS Directive 2002/95/EC. All below chemicals are not employed in the manufacture of the product: a.Cadmium and its compounds, b.Lead and its compounds, c.Mercury and its compounds, d.Hexavalent chromium compounds, e.Polybrominated biphenyls (PBBs), f.Polybrominated diphenyl ethers (PBDEs including Deca-BDE). The trace levels of heavy metals may be present as impurities within threshold limits (<0.1% for Pb, Hg, Cr VI, and <0.01% for Cd). We are disclosing this information, to the best of our knowledge, based upon data from our raw material manufacturers.



## 16. OTHER INFORMATION

STATLOY\* is a trademark of SABIC Innovative Plastics IP BV

**SDS Scope:**

USA: Conforms to 29 CFR 1910.1200 (OSHA Hazard Communication Standard)

This document is also applicable in other countries and regions.

**Prepared by:** Product Stewardship & Toxicology

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**End of Safety Data Sheet**