

**Material Safety Data Sheet**

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**1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

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**MANUFACTURER/SUPPLIER**

Cylatec, Inc.  
3711 Whipple Avenue, N.W.  
Canton, OH 44718

**EMERGENCY TELEPHONE**

(330) 492-2854

**PRODUCT IDENTIFIER:** CYLAPURGE SUPER CONCENTRATE PELLET

**PRODUCT DESCRIPTION:** Mixture of non-fiber forms of sodium and magnesium silicates, ethylene-vinyl acetate copolymers, sodium borate, sodium perborate, sodium silicoaluminate, and chemically bound water.

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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Substances listed below are reportable hazardous ingredients as defined by the OSHA Hazard Communication Standard. Exposure limits, when available, are also listed.

Additional compositional data are provided in Section 15, REGULATORY INFORMATION, subject to supplier notification requirements.

CAS NUMBER	OSHA	UNITS	ACGIH	UNITS
CHEMICAL NAME				
14807-96-6				
	Talc (containing no asbestos fibers) (respirable fraction)			
	2	mg/m <sup>3</sup> TWA	2	mg/m <sup>3</sup> TWA
1303-96-4				
	Sodium borate, decahydrate		1	mg/m <sup>3</sup> TWA

The particulate components of CylaPurge are thoroughly wetted and encapsulated, and are not expected to become airborne.

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**3. HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:** Solid pellet with no odor. Dust not expected to create an explosion hazard. Product is not flammable.

**POTENTIAL HEALTH EFFECTS**

**EYE:** Product may cause severe irritation.  
**SKIN:** Product may cause skin irritation.  
**INGESTION:** Not acutely toxic.  
**INHALATION:** May be irritating to the respiratory tract.  
**CHRONIC/CARCINOGENICITY**  
**NTP:** Not Tested  
**OSHA:** Not Regulated  
**IARC:** Class 3, not classifiable.

**MELT PROCESSING HEALTH EFFECTS:** At temperatures of 275°F (135°C) and above, this product generates steam (water vapor) which can cause severe burns.

See MSDS relating to the resin being processed for any additional hazards information.

**MEDICAL RESTRICTIONS:** There are no known human health effects aggravated by exposure to this product. However, certain sensitive individuals and individuals with respiratory impairments may be affected by exposure to dust or components in the processing fumes of resins being purged.

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#### 4. FIRST AID MEASURES

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EYES:	Remove contact lenses at once. Immediately flush eyes well with copious quantities of water or normal saline for at least 20-30 minutes. Seek medical attention.
SKIN:	Wash skin thoroughly with soap and water. Seek medical attention if rash or burn occurs.
INGESTION:	If inhaled, move victim to fresh air. If breathing becomes impaired, immediately seek medical attention.
MELT PROCESSING:	For molten plastic skin contact, cool rapidly with water and immediately seek medical attention. Do not attempt removal of plastic without medical assistance. Do not use solvent for removal.

See MSDS relating to the resin being processed for any processing fume recommendations.

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#### 5. FIRE FIGHTING MEASURES

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FIRE FIGHTING:	This material can be combusted only with difficulty. Approved pressure demand breathing apparatus and protective clothing should be used for all fires.
EXTINGUISHING MEDIA:	Water spray, foam or dry chemical using extinguishant manufacturers' recommended application techniques.
FLASH POINT:	Not Applicable
LOWER FLAMMABLE LIMIT:	Not Applicable
UPPER FLAMMABLE LIMIT:	Not Applicable
AUTO IGNITION:	Not Applicable
CONDITIONS OF FLAMMABILITY:	This material can only be combusted with difficulty
EXPLOSION DATA	
IMPACT SENSITIVITY:	Not sensitive to mechanical impact.
STATIC DISCHARGE:	Not expected to be sensitive to static discharge.

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#### 6. ACCIDENTAL RELEASE MEASURES

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GENERAL: Sweep up material and place in proper container for disposal or recovery.  
(See DISPOSAL INFORMATION)

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#### 7. HANDLING AND STORAGE

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HANDLING: Follow recommendations on label and in technical literature. Avoid inhalation of dust and contact with skin and eyes. Use good industrial hygiene practices. Provide adequate ventilation.

STORAGE: Avoid storage near foods to prevent food contamination.

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: See MSDS relating to the resin being processed for air and exhaust recommendations. For powders and residual dusts refer to HANDLING AND STORAGE section.

Ventilation requirements must be locally determined to limit exposure to processing fumes in the workplace. Design techniques and guidelines may be found in publications such as:

Industrial Ventilation; available from the American Conference of Governmental Industrial Hygienists, Committee on Industrial Ventilation, P.O. Box 16153, Lansing, MI 48901.

##### PERSONAL PROTECTION

EYE/FACE: Wear safety glasses with side shields or chemical goggles. See MSDS relating to the resins being processed when cleaning processing fume condensates from hoods, ducts and other surfaces.

SKIN: When handling product avoid contact with skin. When processing product, wear long pants, long sleeves, well insulated gloves and face shield when applicable. Avoid molten plastic skin contact. See MSDS relating to the resin being processed for any processing fume condensate precautions.

RESPIRATORY: See MSDS relating to the resin being processed regarding processing fumes.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE:	Solid
ODOR AND APPEARANCE:	Solid pellet with no odor.
BOILING POINT:	Not Applicable
MELTING POINT:	Approximately 250°F (121°C)
VAPOR PRESSURE (mmHg):	Not Applicable
VENDOR DENSITY (air=1):	Not Applicable
SPECIFIC GRAVITY (water=1):	0.8-1.0 g/cc
WATER SOLUBILITY:	Partial
% VOLATILES:	9-15% (water)
pH:	10.4-11.3 (1% in water)
ODOR THRESHOLD:	Not Established
EVAPORATION RATE:	Not Applicable
COEFFICIENT WATER/OIL DISTR:	Not Established

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## 10. STABILITY AND REACTIVITY

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STABILITY:	Stable under recommended conditions of storage and handling. Exposure to temperatures in excess of 275°F (135°C) will cause the release of hot water vapor.
REACTIVITY:	Not reactive under recommended conditions of handling, storage, processing and use.
CONDITIONS TO AVOID:	Follow melt temperature recommendations in product literature for resin being processed. In order to avoid auto ignition/hazardous decomposition of hot thick masses of plastic, purgings should be collected in small, flat shapes or thin strands to allow for rapid cooling and quench in water. (See EXPOSURE CONTROLS/PERSONAL PROTECTION section for respiratory protection advice.)
HAZARDOUS DECOMPOSITION:	Processing fumes evolved at recommended processing conditions may contain water, vinyl and sodium acetate from this material and other compounds which are present in the processing fumes of the resin being purged.

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## 11. TOXICOLOGICAL INFORMATION

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PRODUCT:	
EYE:	Abraded dust can be an eye irritant.
SKIN:	Abraded dust can be a skin irritant.
ACUTE ORAL:	Oral LD50 (rat) approx. 4.0 g/kg.
ACUTE INHALATION:	Abraded dust can be a mucous membrane irritant.

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## 12. ECOLOGICAL INFORMATION

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GENERAL:	Not expected to present any significant ecological problems.
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## 13. DISPOSAL INFORMATION

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RCRA HAZARDOUS WASTES: Product is not a RCRA hazardous waste.

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.

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#### 14. TRANSPORTATION INFORMATION

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DOT HAZARD CLASS: Not Regulated  
PROPER SHIPPING NAME: Not Regulated  
IDENTIFICATION NUMBER: Not Listed  
TDGA: Not Listed

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#### 15. REGULATORY INFORMATION

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Listed below are chemical substances subject to supplier notification requirements. The percentages, when present, represent average values.

CAS NUMBER	EPCRA 313	WHMIS	NPRI	CA-65	FL	RI
CHEMICAL NAME	%	%	%	%		
14807-96-6						
Talc (containing no asbestos fibers)					X	X
1303-96-4						
Sodium Borate, decahydrate						X

TSCA STATUS: This product complies with the Chemical Substance Inventory requirements of the US EPA Toxic Substances Control Act (TSCA).  
WHMIS CLASSIFICATION: Not a controlled product.

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#### 16. OTHER

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PREPARED BY: Product Compliance

The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use additional safety precautions may be required. Cylatec, Inc. makes no warranty, either express or implied, including merchantability and fitness.

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it into individual site safety programs in accordance with applicable hazard communication standards and regulations.

#### ABBREVIATIONS:

ACGIH: American Conference of Governmental Industrial Hygienists  
CA-65: California Proposition 65 (Safe Drinking Water & Toxic Enforcement Act)  
CAS #: Chemical Abstracts Service Number.  
EPCRA 313: Emergency Planning and Community Right-To-Know Act, Section 313.  
FL: Florida Right-To-Know Law, Substance List  
OSHA: The Occupational Safety and Health Administration.  
NPRI: The Canadian National Pollutant Release Inventory.  
RCRA: Resource Conservation and Recovery Act.  
RI: Rhode Island Right-To-Know Law, Hazardous Substance List.  
WHMIS: Canadian Workplace Hazardous Materials Information System

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