

POLYONE CORPORATION**MATERIAL SAFETY DATA SHEET****MASTERMIX CELOGEN AZ-199 8045 PASTE**Version Number 1.0
Revision Date 10/12/2006Page 1 of 7
Print Date 11/24/2011**1. PRODUCT AND COMPANY IDENTIFICATION****POLYONE CORPORATION**
8155 Cobb Center Drive, Kennesaw, GA 30152Telephone : Product Stewardship (770) 590-3500 x.3563
Emergency telephone : **CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure number or accident).**Product name : MASTERMIX CELOGEN AZ-199 8045 PASTE
Product code : FO20009464
Chemical Name : Mixture
CAS-No. : Mixture
Product Use : Industrial Applications**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Weight %
Azodicarbonamide	123-77-3	60 - 100
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	10 - 30
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	30 - 60

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

May release high amount of nitrogen if inadvertently heated above 50°C (122°F) or stored incorrectly. Pressure inside the container can increase and cause its rupture. This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions. **WARNING!! Flammable Solid!!** Ground containers and equipment before transferring. Minimize dust formation. May form explosive dust-air mixtures. May explode when shocked, exposed to heat or flame, or by spontaneous chemical reaction. May cause mechanical irritation to eyes, skin, and respiratory tract. Can be a respiratory sensitizer.

POTENTIAL HEALTH EFFECTS**Routes of Exposure:** : Eyes, Inhalation, Skin contact, Ingestion**Acute exposure**

Inhalation : May cause irritation leading to coughing, sneezing, and difficulty in breathing. May cause respiratory sensitization with asthma-like

POLYONE CORPORATION

MATERIAL SAFETY DATA SHEET

MASTERMIX CELOGEN AZ-199 8045 PASTE

Version Number 1.0
Revision Date 10/12/2006

Page 2 of 7
Print Date 11/24/2011

symptoms including coughing, choking sensation, wheeziness, and shortness of breath.

Ingestion : May be harmful if swallowed.
Eyes : Particulates, like other inert materials can be mechanically irritating.
Skin : Experience shows no unusual dermatitis hazard from routine handling.

Chronic exposure : Refer to Section 11 for Toxicological Information.

Medical Conditions Aggravated by Exposure: : Individuals with chronic respiratory disorders (i.e. asthma, chronic bronchitis, etc.) may be adversely affected by any airborne contaminant.

4. FIRST AID MEASURES

Inhalation : Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. When symptoms persist or in all cases of doubt seek medical advice.

Ingestion : Do not induce vomiting without medical advice. When symptoms persist or in all cases of doubt seek medical advice.

Eyes : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, seek medical attention.

Skin : Wash off with soap and plenty of water.

5. FIRE-FIGHTING MEASURES

Flash point : Not applicable

Flammable Limits
Upper explosion limit : No data available
Lower explosion limit : No data available
Autoignition temperature : 165 °C
Suitable extinguishing media : waterfoam.

Special Fire Fighting Procedures : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Cool closed containers exposed to fire with water spray. If inadvertent heating of product results in smoke production, spray immediately and thoroughly with water. May release high amount of nitrogen if inadvertently heated above 50°C (122°F) or stored incorrectly. Pressure inside the container can increase and cause its rupture.

Unusual Fire/Explosion Hazards : The thermal decomposition products are flammable and when concentrated can form an explosive mixture. Provide adequate ventilation. Ensure smoke and mist are not allowed to accumulate. Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), other hazardous materials, and smoke are all possible.

POLYONE CORPORATION

MATERIAL SAFETY DATA SHEET

MASTERMIX CELOGEN AZ-199 8045 PASTE

Version Number 1.0
Revision Date 10/12/2006

Page 3 of 7
Print Date 11/24/2011

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Remove all sources of ignition. Avoid dust formation. Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.
- Environmental precautions : Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.
- Methods for cleaning up : Do not create a powder cloud by using a brush or compressed air. Take up spills carefully by mechanical means. If a vacuum is used be sure it is air driven or electrically protected for handling flammables. Place material in clean, properly labelled plastic drums only. Do not close container tightly as product decomposition products may cause container to overpressurize. Spill area can be washed with water. Be sure to collect wash water for proper disposal.

7. HANDLING AND STORAGE

- Handling : Wear personal protective equipment. Avoid formation of respirable particles. Do not breathe vapours/dust. Take measures to prevent the build up of electrostatic charge. Provide for appropriate exhaust ventilation and dust collection at machinery. Avoid dust formation.
- Storage : Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight. Keep in a dry, cool place. May release high amount of nitrogen if inadvertently heated above 50°C (122°F) or stored incorrectly. Pressure inside the container can increase and cause its rupture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Employees using respirators must be properly trained.
- Eye/Face Protection : safety glasses
- Hand protection : Protective gloves.
- Skin and body protection : Long sleeved shirts and long pants are adequate for normal handling. Where operations present a splash or spill potential, employees should wear chemically resistant clothing, boots, apron, gloves, and eye/face protection.
- Additional Protective Measures : When using, do not eat, drink or smoke.
- General Hygiene : Do not breathe dust or spray mist. Handle in accordance with good

POLYONE CORPORATION

MATERIAL SAFETY DATA SHEET

MASTERMIX CELOGEN AZ-199 8045 PASTE

Version Number 1.0
Revision Date 10/12/2006

Page 4 of 7
Print Date 11/24/2011

Considerations industrial hygiene and safety practices.

Engineering measures : Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapors.

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Petroleum distillates, hydrotreated heavy naphthenic	500 ppm 2,000 mg/m3	PEL:	Vapor.	OSHA Z1
Petroleum distillates, hydrotreated light naphthenic	500 ppm 2,000 mg/m3	PEL:	Vapor.	OSHA Z1
	5 mg/m3	Time Weighted Average (TWA):	Mist.	ACGIH
	10 mg/m3	Short Term Exposure Limit (STEL):	Mist.	ACGIH

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Solid	Evaporation rate	: Not applicable
Appearance	: powder	Specific Gravity:	: 1.6
Color	: NO PIGMENT	Bulk density	: Not established
Odor	: Very faint	Vapor pressure	: Not applicable
Melting point/range	: Not applicable	Vapour density	: Not applicable
Boiling Point:	: Not applicable	pH	: Not applicable
Water solubility	: Negligible		

10. STABILITY AND REACTIVITY

Stability : Stable.

Hazardous Polymerization : Will not occur.

Conditions to avoid : Heat, flames and sparks.

Incompatible Materials : Reacts with water or acids to form carbon dioxide (CO2)

Hazardous decomposition products : Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible. Ammonia May release high amount of nitrogen if inadvertently heated above 50°C (122°F) or stored incorrectly. Pressure inside the container can increase and cause its rupture. Decomposition products are flammable. May form explosive smoke/air mixtures if inadvertently heated above 50°C (122°F) or stored incorrectly.

11. TOXICOLOGICAL INFORMATION

POLYONE CORPORATION

MATERIAL SAFETY DATA SHEET

MASTERMIX CELOGEN AZ-199 8045 PASTE

Version Number 1.0

Page 5 of 7

Revision Date 10/12/2006

Print Date 11/24/2011

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ
123-77-3	Azodicarbonamide	sensitizer	Respiratory system.
64742-53-6	Petroleum distillates, hydrotreated light naphthenic	Irritant	Eyes, Skin.
64742-52-5	Petroleum distillates, hydrotreated heavy naphthenic	Irritant	Eyes, Skin.

LC50 / LD50

This product contains the following components which, in their pure form, have the following toxicity data:

CAS-No.	Chemical Name	Route	Value	Species
123-77-3	Azodicarbonamide	LC50 Oral LD50 Dermal LD50	200 mg/l > 6,400 mg/kg > 2,000 mg/kg	rat rat rabbit

Carcinogenicity

This product contains the following components which, in their pure form, have the following carcinogenicity data:

CAS-No.	Chemical Name	OSHA	IARC	NTP
64742-53-6	Petroleum distillates, hydrotreated light naphthenic	no	1	no

IARC Carcinogen Classifications:

- 1 - The component is carcinogenic to humans.
- 2A - The component is probably carcinogenic to humans.
- 2B - The component is possibly carcinogenic to humans.

NTP Carcinogen Classifications:

- 1 - The component is known to be a human carcinogen.
- 2 - The component is reasonably anticipated to be a human carcinogen.

Additional Health Hazard Information:

Azodicarbonamide 123-77-3 Sensitizer to the respiratory system with repeated minimal inhalation. While no chronic health problems have been identified, individuals with respiratory problems should avoid inhalation exposure to this material.

12. ECOLOGICAL INFORMATION

Persistence and degradability : No data available



POLYONE CORPORATION

MATERIAL SAFETY DATA SHEET

MASTERMIX CELOGEN AZ-199 8045 PASTE

Version Number 1.0
Revision Date 10/12/2006

Page 6 of 7
Print Date 11/24/2011

Environmental Toxicity : No data available
Bioaccumulation Potential : No data available
Additional advice : No data available

13. DISPOSAL CONSIDERATIONS

Product : The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.
Contaminated packaging : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

14. TRANSPORT INFORMATION

U.S. DOT Classification : Refer to specific regulation.
ICAO/IATA (air) : Refer to specific regulation.
IMO / IMDG (maritime) : Refer to specific regulation.

15. REGULATORY INFORMATION

US Regulations:

OSHA Status : Classified as hazardous based on components.
TSCA Status : All components of this product are listed on or exempt from the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Not applicable

California Proposition : Not applicable
65

SARA Title III Section 302 Extremely Hazardous Substance

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

POLYONE CORPORATION

MATERIAL SAFETY DATA SHEET

MASTERMIX CELOGEN AZ-199 8045 PASTE

Version Number 1.0
Revision Date 10/12/2006

Page 7 of 7
Print Date 11/24/2011

SARA Title III Section 313 Toxic Chemicals:

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

Canadian Regulations:

National Pollutant Release Inventory (NPRI)

Not applicable

WHMIS Classification : D2A

DSL : All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.

National Inventories:

Australia AICS : Listed

China IECS : Listed

Europe EINECS : Listed

Japan ENCS : Not determined

Korea KECI : Listed

Philippines PICCS : Listed

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.