



POLYONE CORPORATION

MATERIAL SAFETY DATA SHEET

AZ5100 DISPERSION

Version Number 1.0
Revision Date 08/13/2004

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Print Date 11/15/2011

1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION
8155 Cobb Center Drive, Kennesaw, GA 30152

Telephone : Product Stewardship (770) 590-3500 x.3563
Emergency telephone number : **CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).**

Product name : AZ5100 DISPERSION
Product code : FO200055
Chemical Name : Mixture
CAS-No. : Mixture
Product Use : Industrial Applications

2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

Components	CAS-No.	Weight %
Azodicarbonamide	123-77-3	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.

POTENTIAL HEALTH EFFECTS

Routes of Exposure: : Eyes, Inhalation, Skin contact, Ingestion

Acute exposure

Inhalation : At process temperatures, product emissions may cause irritation.
Ingestion : May be harmful if swallowed.
Eyes : May cause eye/skin irritation.
Skin : Experience shows no unusual dermatitis hazard from routine handling.

Chronic exposure : Refer to Section 11 for Toxicological Information.

Medical Conditions : None known.

Aggravated by Exposure:

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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 : Greater than 200 °F (93 °C)
- Flammable Limits
 - Upper explosion limit : No data available
 - Lower explosion limit : No data available
- Autoignition temperature : No data available
- 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 : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), other hazardous materials, and smoke are all possible. 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.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : 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 : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see

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section 13).

7. HANDLING AND STORAGE

- Handling : Wear personal protective equipment. Take measures to prevent the build up of electrostatic charge. Provide for appropriate exhaust ventilation and dust collection at machinery.
- 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. Employers must follow applicable regulations such as OSHA 29 CFR 1910.134.
- Eye/Face Protection : Safety glasses with side-shields.
- 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 Considerations : Do not breathe dust or spray mist. Handle in accordance with good 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)

9. PHYSICAL AND CHEMICAL PROPERTIES

- | | | | |
|------------|-----------------------------|-------------------|-------------------|
| Form | : liquid | Evaporation rate | : Not applicable |
| Appearance | : Viscous liquid dispersion | Specific Gravity: | : Not determined |
| Color | : WHITE | Bulk density | : Not established |
| Odor | : Very faint | Vapor pressure | : Not determined |

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Melting point/range : Not applicable Vapour density : Not determined
Boiling Point: : Not applicable pH : Not determined
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.

11. TOXICOLOGICAL INFORMATION

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.

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	200 mg/l	rat
		Oral LD50	> 6,400 mg/kg	rat
		Dermal LD50	> 2,000 mg/kg	rabbit

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
Environmental Toxicity : No data available

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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 : This product does not contain a substance listed by California Prop 65.

SARA Title III Section 302 Extremely Hazardous Substance

Not applicable

SARA Title III Section 313 Toxic Chemicals:

Not applicable

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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 when used in combination with any other materials and/or in any particular process or processing conditions.