

MATERIAL SAFETY DATA SHEET

PG 20239 BK AC

Version Number 1.0
Revision Date 07/22/2002

Page 1 of 6
Print Date 11/5/2011

1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION
2700 Papin Street, St. Louis, MO 63103

NON-EMERGENCY TELEPHONE : Product Stewardship, (314) 771-1800
Emergency telephone number : **CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).**

Product name : PG 20239 BK AC
 Product code : CC10020239
 Chemical Name : Mixture
 CAS-No. : Mixture
 Product Use : Industrial Applications

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components	CAS-No.	Weight %
N-Methylbis[3-(dimethylamino)propyl]amine	3855-32-1	1 - 5

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

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, Skin contact, Inhalation, Ingestion

Acute exposure

Inhalation : Excessive inhalation of product vapors, especially during heating or processing, may be irritating to respiratory system.
 Ingestion : May be harmful if swallowed.
 Eyes : Mild eye irritation
 Skin : Prolonged or repeated skin contact can cause de-fatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Chronic exposure : Refer to Section 11 for Toxicological Information.

MATERIAL SAFETY DATA SHEET

PG 20239 BK AC

Version Number 1.0
Revision Date 07/22/2002

Page 2 of 6
Print Date 11/5/2011

Medical Conditions : None known.
Aggravated by Exposure:

4. FIRST AID MEASURES

Inhalation : Move to fresh air in case of accidental inhalation of vapors or fumes from overheating or combustion. When symptoms persist or in all cases of doubt seek medical advice.

Ingestion : Drink 1 or 2 glasses of water. Induce vomiting immediately and call a physician. Never give anything by mouth to an unconscious person.

Eyes : Immediately flush eye(s) with plenty of water. Seek medical attention if necessary.

Skin : Wash off immediately with soap and plenty of water. If skin irritation persists seek medical attention.

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 : carbon dioxide (CO₂), dry chemical, Water spray, alcohol-resistant foam.

Special Fire Fighting Procedures : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

Unusual Fire/Explosion Hazards : None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls. Material can create slippery conditions.

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 : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Package all material in appropriate container for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

7. HANDLING AND STORAGE

MATERIAL SAFETY DATA SHEET

PG 20239 BK AC

Version Number 1.0
Revision Date 07/22/2002

Page 3 of 6
Print Date 11/5/2011

Handling : Heat only in areas with appropriate exhaust ventilation.

Storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store in a cool dry place. Product is hygroscopic. Protect from moisture. Keep drums tightly closed to prevent contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection : Under normal handling conditions a respirator may not be required.

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 : Safety shoes.

General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Engineering measures : Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery.

Exposure limit(s)

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid	Evaporation rate	: Negligible
Appearance	: Viscous	Specific Gravity	: > 1
Color	: BLACK	Bulk density	: Not applicable
Odor	: mild	Vapor pressure	: <0.04 mm Hg @ 20 °C
Melting point/range	: No data available.	Vapor density	: Heavier than air.
Boiling Point:	: Not established	pH	: No data available.
Water solubility	: slightly soluble		

10. STABILITY AND REACTIVITY

Stability : Stable.

Hazardous Polymerization : Will not occur.

MATERIAL SAFETY DATA SHEET

PG 20239 BK ACVersion Number 1.0
Revision Date 07/22/2002Page 4 of 6
Print Date 11/5/2011

- Conditions to avoid : Heating the product above 212 °F (100 °C) in the presence of air may result in the formation of aldehydes. Product reacts exothermically with isocyanates.
- Incompatible Materials : strong acids and strong bases
- Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), other hazardous materials, and smoke are all possible.

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
3855-32-1	N-Methylbis[3-(dimethylamino)propyl]amine	Corrosive	Skin.
		Irritant	Eyes.
		toxic	Refer to LC50 / LD50 Data on MSDS..

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
3855-32-1	N-Methylbis[3-(dimethylamino)propyl]amine	Oral LD50 Dermal LD50	1.6 gm/kg 200 mg/kg	rat rabbit

12. ECOLOGICAL INFORMATION

- Persistence and degradability : No data available.
- Environmental Toxicity : No data available.
- Bioaccumulation Potential : Does not bioaccumulate.
- Additional advice : No data available.

13. DISPOSAL CONSIDERATIONS

- Product : Where possible, recycling is preferred to disposal or incineration. 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

MATERIAL SAFETY DATA SHEET

PG 20239 BK ACVersion Number 1.0
Revision Date 07/22/2002Page 5 of 6
Print Date 11/5/2011

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 : Refer to specific regulation.

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

Canadian Regulations:

WHMIS Classification : Not controlled.

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

National Inventories:

Australia AICS : Not determined.

China IECS : Listed.

Europe EINECS : Not determined.

Japan ENCS : Not determined.

MATERIAL SAFETY DATA SHEET

PG 20239 BK AC

Version Number 1.0

Revision Date 07/22/2002

Page 6 of 6

Print Date 11/5/2011

Korea KECI : Listed.

Philippines PICCS : Not determined.

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.