

MATERIAL SAFETY DATA SHEET



Bayer MaterialScience

Bayer MaterialScience LLC
Product Safety & Regulatory Affairs
100 Bayer Road
Pittsburgh, PA 15205-9741
USA

TRANSPORTATION EMERGENCY

CALL CHEMTREC: (800) 424-9300
INTERNATIONAL: (703) 527-3887

NON-TRANSPORTATION

Emergency Phone: Call Chemtrec
Information Phone: (800) 662-2927

1. Product and Company Identification

Product Name: BAYSEAL CC POLAR
Material Number: 82638017
Chemical Family: Polyol System

2. Hazards Identification

Emergency Overview

Warning Color: Amber **Form:** liquid **Odor:** Slight, Ether, Amine.
Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. May cause nausea or dizziness. Causes respiratory tract irritation. Vapor reduces oxygen available for breathing. Causes skin irritation. Causes eye irritation. May cause a temporary fogging of the eyes. When this product is sprayed, a full-face or hood-type supplied air respirator is required. May affect nervous system. May cause kidney damage. May cause liver damage. May cause lung damage. May cause irregular heartbeat.

Potential Health Effects

Primary Routes of Entry: Inhalation, Eye Contact, Skin Contact

Medical Conditions Aggravated by Exposure: Respiratory disorders, Eye disorders, Skin disorders

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

Inhalation

Acute Inhalation

For Component: Hydrofluorocarbon

May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose. May induce cardiac arrhythmia (irregular heartbeat) in some individuals. Vapor can reduce oxygen available for breathing.

For Component: Chlorinated Phosphate Ester

May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

For Component: 2-Butoxyethanol

Expected to be toxic by inhalation. May cause nervous system effects which can include symptoms of dizziness, incoordination, headache, numbness, and/or confusion.

For Component: Tertiary Amine

Corrosive with symptoms of coughing, burning, ulceration, and pain.

For Component: Ester derivative

May be harmful by inhalation. May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

For Component: Tertiary Amine

Causes respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

Chronic Inhalation

For Component: Tertiary Amine

May cause lung damage.

Skin

Acute Skin

For Component: Polymer

Causes irritation with symptoms of reddening, itching, and swelling.

For Component: Hydrofluorocarbon

Slightly toxic by skin absorption. May cause slight irritation.

For Component: Chlorinated Phosphate Ester

May cause slight irritation.

For Component: 2-Butoxyethanol

Toxic by skin absorption. May cause irritation with symptoms of reddening and itching.

For Component: Tertiary Amine

Toxic by skin absorption. Corrosive with symptoms of reddening, itching, swelling, burning and possible permanent damage.

For Component: Ester derivative

May cause irritation with symptoms of reddening and itching. Slightly toxic by skin absorption.

For Component: Tertiary Amine

Corrosive with symptoms of reddening, itching, swelling, burning and possible permanent damage. Toxic by skin absorption.

Chronic Skin

For Component: 2-Butoxyethanol

May cause defatting of the skin with symptoms of dryness and cracking. Chronic exposure may cause symptoms similar to those described in chronic inhalation.

For Component: Tertiary Amine

Prolonged or repeated skin contact may cause dermatitis with symptoms of red, itchy, dry skin.

Eye

Acute Eye

For Component: Polymer

Causes irritation with symptoms of reddening, tearing, stinging, and swelling.

For Component: Hydrofluorocarbon

May cause slight irritation.

For Component: Chlorinated Phosphate Ester

Not expected to be irritating.

For Component: 2-Butoxyethanol

Causes irritation with symptoms of reddening, tearing, stinging, and swelling.

For Component: Tertiary Amine

Corrosive with symptoms of reddening, tearing, swelling, burning and possible permanent damage. Vapors can cause temporary corneal edema with symptoms of blurred vision or the appearance of halos around bright objects.

For Component: Ester derivative

May cause irritation with symptoms of reddening, tearing and stinging.

For Component: Tertiary Amine

Vapors can cause temporary corneal edema with symptoms of blurred vision or the appearance of halos around bright objects. Corrosive with symptoms of reddening, tearing, swelling, burning and possible permanent damage.

Chronic Eye

For Component: Tertiary Amine

Prolonged vapor contact may cause conjunctivitis.

Ingestion

Acute Ingestion

For Component: Chlorinated Phosphate Ester

May be harmful if swallowed. Symptoms of ingestion may include abdominal pain, nausea, vomiting, and diarrhea. Moderately toxic by ingestion.

For Component: 2-Butoxyethanol

Toxic by ingestion. Symptoms of ingestion may include abdominal pain, nausea, vomiting, and diarrhea. May cause nervous system effects which can include symptoms of dizziness, incoordination, headache, numbness, and/or confusion.

For Component: Tertiary Amine

Moderately toxic by ingestion. Corrosive to the digestive tract with symptoms of burning and ulceration.

For Component: Ester derivative

Not expected to be harmful if swallowed.

For Component: Tertiary Amine

Ingestion and/or vomiting may cause aspiration into the lungs resulting in chemical pneumonitis (inflammation of the lungs). Corrosive to the digestive tract with symptoms of burning and ulceration.

Chronic Ingestion

For Component: Chlorinated Phosphate Ester

May cause liver damage. May cause kidney damage.

For Component: 2-Butoxyethanol

May cause blood disorders. May cause kidney damage. May cause liver damage.

Carcinogenicity:

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

3. Composition/Information on Ingredients

Hazardous components

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
20 - 30%	Polymer	CAS# is a trade secret
7 - 13%	Hydrofluorocarbon	460-73-1
3 - 7%	Chlorinated Phosphate Ester	CAS# is a trade secret
1 - 5%	2-Butoxyethanol	111-76-2
1 - 5%	Tertiary Amine	CAS# is a trade secret
1 - 5%	Ester derivative	CAS# is a trade secret
0.1 - 1%	Tertiary Amine	CAS# is a trade secret

4. First aid measures

Eye contact

In case of contact, flush eyes with plenty of water for at least 15 minutes. Call a physician immediately.

Skin contact

In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention.

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

5. Fire-fighting measures

Suitable extinguishing media: Carbon dioxide (CO₂), Dry chemical, Foam, water spray for large fires.

Special Fire Fighting Procedures

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

Unusual Fire/Explosion Hazards

The reaction of this product with polymeric MDI ("A" side) will release heat (e.g., it is an exothermic reaction). Thus, spraying foam too thickly in a single lift, or not allowing sufficient time between lifts, can result in excessive heat generation to the point where the foam may char, smolder or burn. Refer to the appropriate BaySystems technical datasheet for application instructions.

6. Accidental release measures

Spill and Leak Procedures

Evacuate and keep unnecessary people out of spill area. Remove ignition sources. Notify management. Put on protective equipment. Control source of the leak. Ventilate. Contain the spill. Cover spill with inert material (e.g., dry sand or earth) and collect for proper disposal.

7. Handling and storage

Storage temperature:
maximum: 50 °C (122 °F)

Storage period
6 Months

Handling/Storage Precautions

Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Material is hygroscopic and may absorb small amounts of atmospheric moisture. If contamination with isocyanates is suspected, do not reseal containers. Do not get on skin or clothing. Do not get in eyes. Do not breathe vapours or spray mist.

8. Exposure controls/personal protection

When this product is heated or spray applied, amine vapors can be released.

2-Butoxyethanol (111-76-2)

- US. ACGIH Threshold Limit Values
Time Weighted Average (TWA): 20 ppm
- US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
PEL: 50 ppm, 240 mg/m³
- US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Skin designation: Can be absorbed through the skin.
- US. ACGIH Threshold Limit Values
Hazard Designation: Group A3 Confirmed animal carcinogen with unknown relevance to humans.

Industrial Hygiene/Ventilation Measures

When handling this product, ventilation of the work area is recommended.

Respiratory protection

When this product is sprayed in combination with polymeric MDI ("A" side), a full-face or hood-type supplied air respirator operated in the positive pressure or continuous flow mode is required. For exterior spray applications where the use of supplied air respiratory protection may create a safety hazard (e.g., roof applications), an air purifying respirator with combination organic vapor/particulate (P100) cartridges may be substituted for a supplied air respirator. When handling the liquid product, particularly if heated or in a confined area, an air purifying respirator with combination organic vapor/particulate (P100) cartridges is recommended. The respiratory protection selected must comply with the requirements set forth in OSHA's Respiratory Protection Standard (29 CFR 1910.134). When APRs are used, (a) the cartridges must be equipped with end-of-service life indicators (ESLI) certified by NIOSH, or (b) a change out schedule, based on objective information or data that will ensure that the cartridges are changed out before the end of their service life, must be developed and implemented. The basis for the change out schedule must be described in the written respirator program.

Hand protection

When this product is sprayed in combination with polymeric MDI ("A" side), fabric gloves coated in nitrile, neoprene, butyl or PVC are recommended. When handling liquid product, nitrile, neoprene, butyl

or PVC gloves are recommended.

Eye protection

When this product is sprayed in combination with polymeric MDI ("A" side), eye protection will be provided by the full-face or hood-type air supplied respirator as mentioned above in the respiratory protection section. When handling liquid product, chemical safety goggles or safety glasses with side-shields are required.

Skin and body protection

When this product is sprayed in combination with polymeric MDI ("A" side), a disposable full body suit (e.g., Tyvek, Kleenguard, etc.) with attached hood and disposable over-boots are required. When handling liquid product, wear cloth work clothing including long pants and long-sleeved shirts. If the potential for splash to the body exists, impermeable protective clothing is recommended.

Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

9. Physical and chemical properties

Form: liquid
Color: Amber
Odor: Slight, Ether, Amine

10. Stability and reactivity

Hazardous Reactions

Hazardous polymerisation does not occur. The reaction of this product with polymeric MDI ("A" side) will release heat (e.g., it is an exothermic reaction). Thus, spraying foam too thickly in a single lift, or not allowing sufficient time between lifts, can result in excessive heat generation to the point where the foam may char, smolder or burn. Refer to the appropriate BaySystems technical datasheet for application instructions.

Stability

Stable

Materials to avoid

Oxidizing agents, Isocyanates

Hazardous decomposition products

By Fire and Thermal Decomposition: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke., other potentially toxic fumes

11. Toxicological information

Toxicity Data for Polymer

Toxicity Note

Toxicity data is based on a similar product.

Acute oral toxicity

LD50: 1,370 mg/kg (rat)

Acute dermal toxicity

LD50: 12800 (rabbit)

Toxicity Data for Hydrofluorocarbon**Acute inhalation toxicity**

LC50: > 200000 ppm, 4 h (Rat)

Acute dermal toxicity

LD50: > 2,000 mg/kg (rat)

Skin irritation

rabbit, Non-irritating

Eye irritation

rabbit, Mild eye irritation

Sensitisation

non-sensitizer (Dog)

Repeated dose toxicity

28 d, inhalation: NOAEL: 50,000 ppm, (Rat)

90 d, Inhalation: NOAEL: 2000 ppm, (Rat)

Mutagenicity

Genetic Toxicity in Vitro:

Cytogenetic assay: ambiguous (human lymphocytes, Metabolic Activation: with/without)

Ames: negative (Metabolic Activation: with/without)

Genetic Toxicity in Vivo:

Micronucleus Assay: negative (mouse)

negative

Developmental Toxicity/Teratogenicity

No Teratogenic effects observed at doses tested.

Toxicity Data for Chlorinated Phosphate Ester**Acute oral toxicity**

LD50: 632 mg/kg (rat)

Acute inhalation toxicity

LC50: > 17,800 mg/l, 1 h (rat, Male/Female)

aerosol

Acute dermal toxicity

LD50: > 5,000 mg/kg (rabbit, Male/Female)

Skin irritation

Human, Patch Test, No skin irritation

rabbit, No skin irritation

Eye irritation

rabbit, non-irritant

rabbit, Draize, Exposure Time: 24 h, slight irritant

Sensitisation

dermal: non-sensitizer (guinea pig, Maximisation Test)

dermal: non-sensitizer (Human, Patch Test)

Repeated dose toxicity

90 Days, oral: NOAEL: 36 mg/kg, (Rat, male)

Mutagenicity

Genetic Toxicity in Vitro:

Ames: negative (Salmonella typhimurium, Metabolic Activation: with/without)

Positive and negative results were reported.

Mammalian cell - gene mutation assay: positive (Mouse lymphoma cells (L5178Y/TK), Metabolic Activation: with)

Positive and negative results were reported.

Toxicity to Reproduction/Fertility

Other method, inhalation, daily, (rat, male)

Reproductive effects have been observed in animal studies.

Developmental Toxicity/Teratogenicity

rat, female, oral, gestation, daily, NOAEL (teratogenicity): > 1%, NOAEL (maternal): > 1%

No Teratogenic effects observed at doses tested., No fetotoxicity observed at doses tested.

Toxicity Data for 2-Butoxyethanol**Acute oral toxicity**

LD50: 470 mg/kg (rat)

LD50: 300 mg/kg (rabbit)

Acute inhalation toxicity

LC50: 2.21 - 2.39 mg/l, 4 h (Rat)

Acute dermal toxicity

LD50: 220 mg/kg (rabbit)

Skin irritation

rabbit, Draize, Mild skin irritation

Eye irritation

rabbit, Draize, Moderate eye irritation

Sensitisation

dermal: non-sensitizer (Guinea pig, Maximisation Test)

dermal: non-sensitizer (Human, Patch Test)

Repeated dose toxicity

90 Days, inhalation: NOAEL: 0.121 mg/kg, (Rat, Male/Female, daily)

30 Days, inhalation: NOAEL: < 0.27 mg/kg, (Rat, Male/Female, daily)

90 days, dermal: NOAEL: 150 mg/kg, (rabbit, Male/Female, daily)

Mutagenicity

Genetic Toxicity in Vitro:

Ames: Negative results were reported in various in vitro studies. (Salmonella typhimurium, Metabolic

Activation: with/without)

Genetic Toxicity in Vivo:

Micronucleus Assay: negative (mouse,)

negative

Carcinogenicity

mouse, Male/Female, inhalation, 2 years, daily,
Animal experiments showed a statistically significant number of tumours.

Toxicity to Reproduction/Fertility

Other method, oral, daily, (Rat, Male/Female) NOAEL (parental): 304 mg/kg,

Reproductive effects have been observed in animal studies.

Two generation study, oral, (mouse, Male/Female) NOAEL (parental): 720 mg/kg, NOAEL (F1): < 720 mg/kg,

Developmental Toxicity/Teratogenicity

Rat, female, inhalation, gestation, daily, NOAEL (teratogenicity): 0.97 mg/kg, NOAEL (maternal): 0.24 mg/kg,

Teratogenic effects seen only with maternal toxicity.

rabbit, female, gestation, daily, NOAEL (teratogenicity): 0.97 mg/kg, NOAEL (maternal): 0.48 mg/kg,

Rat, Female, dermal, gestation, daily, NOAEL (teratogenicity): 5,400 mg/kg, NOAEL (maternal): < 1,800 mg/kg,

Toxicity Data for Tertiary Amine

Acute oral toxicity

LD50: 1,045 mg/kg (Rat)

Acute inhalation toxicity

LC50: 2.09 mg/l, 6 h (Rat)

Acute dermal toxicity

LD50: 230 mg/kg (rabbit)

Skin irritation

Corrosive

Eye irritation

Corrosive

Toxicity Data for Ester derivative

Acute oral toxicity

LD50: > 5,000 mg/kg (Rat)

Acute inhalation toxicity

LC50: 4.53 - 6.1 mg/l, 4 h (Rat)

Acute dermal toxicity

LD50: > 3,400 mg/kg (rabbit)

Skin irritation

rabbit, Slightly irritating

Eye irritation

rabbit, Slightly irritating

Sensitisation

non-sensitizer (Guinea pig)

Repeated dose toxicity

Inhalation: NOAEL: < 0.16 mg/l, (Rat, Male/Female)

Mutagenicity

Genetic Toxicity in Vitro:

Ames: negative (Salmonella typhimurium, Metabolic Activation: with/without)

Genetic Toxicity in Vivo:

Micronucleus Assay: negative (mouse, Male/Female, inhalation)

negative

Toxicity to Reproduction/Fertility

One generation study, inhalation, (rat, Male/Female) NOAEL (parental): 1 mg/l, NOAEL (F1): 0.4 mg/l,

Developmental Toxicity/Teratogenicity

rat, female, inhalation, NOAEL (teratogenicity): 1 mg/l, NOAEL (maternal): 0.16 mg/l,

No fetotoxicity observed at doses tested.

Toxicity Data for Tertiary Amine**Acute oral toxicity**

1,900 mg/kg (Rat)

Acute dermal toxicity

569 mg/kg (rabbit)

Skin irritation

Severely irritating

Eye irritation

Severely irritating

12. Ecological information**Ecological Data for Hydrofluorocarbon****Acute and Prolonged Toxicity to Fish**

LC50: > 97.9 mg/l (Rainbow trout (Salmo gairdneri), 48 h)

Acute Toxicity to Aquatic Invertebrates

EC50: 81.8 mg/l (Water flea (Daphnia magna), 96 h)

Ecological Data for Chlorinated Phosphate Ester**Biodegradation**

Aerobic, 0 %, Exposure time: 28 Days, Not readily biodegradable.

Bioaccumulation

Cyprinus carpio (Carp), Exposure time: 42 Days, ca. 0.8 - 2.8 BCF

Acute and Prolonged Toxicity to Fish

LC50: ca. 84 mg/l (Bluegill (Lepomis macrochirus), 96 h)

LC50: 51 mg/l (Fathead minnow (Pimephales promelas), 96 h)

LC50: 30 mg/l (Guppy (Poecilia reticulata), 96 h)

Acute Toxicity to Aquatic Invertebrates

EC50: ca. 131 mg/l (Water flea (Daphnia magna), 48 h)

Toxicity to Aquatic Plants

EC50: 45 mg/l, End Point: biomass (Green algae (Scenedesmus subspicatus), 72 h)

EC50: 41 - 55 mg/l, End Point: biomass (Green algae (Selenastrum capricornutum), 96 h)

Toxicity to Microorganisms

EC50: 295 mg/l, (Photobacterium phosphoreum, 30 min)

EC50: 784 mg/l, (Activated sludge microorganisms, 3 h)

Ecological Data for 2-Butoxyethanol**Biodegradation**

aerobic, 100 %, Exposure time: 28 Days

Biochemical Oxygen Demand (BOD)

5 Days, 1,300 mg/g

20 Days, 1,800 mg/g

Chemical Oxygen Demand (COD)

2,180 mg/g

Theoretical Biological Oxygen Demand (ThBOD)

2,300 mg/g

Bioaccumulation

ca. 2.5 BCF

Acute and Prolonged Toxicity to Fish

LC50: 1,490 mg/l (Bluegill (Lepomis macrochirus), 96 h)

1,250 mg/l (Silverside Minnow (Menidia peninsulae), 96 h)

LC50: 2,137 mg/l (Fathead minnow (Pimephales promelas), 96 h)

Acute Toxicity to Aquatic Invertebrates

EC50: 1,720 - 1,850 mg/l (Water flea (Daphnia magna), 24 h)

LC50: 800 mg/l (Common shrimp (Crangon crangon), 48 h)

Toxicity to Aquatic Plants

EC50: > 1,000 mg/l, (Green algae (Selenastrum capricornutum), 7 Days)

Toxicity to Microorganisms

IC50: > 1,000 mg/l, (Activated sludge microorganisms, 16 h)

Ecological Data for Tertiary Amine**Biodegradation**

Not readily biodegradable.

Acute and Prolonged Toxicity to Fish

LC50: 220 mg/l (Golden orfe (Leuciscus idus), 96 h)

Ecological Data for Ester derivative**Biodegradation**

aerobic, 75 %, Exposure time: 28 d, Readily biodegradable.

Acute and Prolonged Toxicity to Fish

LC50: 33.6 mg/l (Fathead minnow (Pimephales promelas), 96 h)

Acute Toxicity to Aquatic Invertebrates

EC50: 122.1 - 163.5 mg/l (Water flea (Daphnia magna), 48 h)

Toxicity to Microorganisms

EC10: 62.5 mg/l, (Pseudomonas putida, 18 h)

13. Disposal considerations

Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Empty Container Precautions

Recondition or dispose of empty container in accordance with governmental regulations.

14. Transport information

Land transport (DOT)

Non-Regulated

Sea transport (IMDG)

Non-Regulated

Air transport (ICAO/IATA)

Proper shipping name:	Aviation regulated liquid, n.o.s. (contains Hydrofluorocarbon)
Hazard Class or Division:	9
UN-Number:	UN3334
Packaging group:	
Hazard Label(s):	MISCELLANEOUS

15. Regulatory information

United States Federal Regulations

OSHA Hazcom Standard Rating: Hazardous

US. Toxic Substances Control Act: Listed on the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302):

Components

2-Butoxyethanol Included in the regulation but with no data values. See regulation for further details

SARA Section 311/312 Hazard Categories:

Acute Health Hazard, Chronic Health Hazard

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):

Components

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required:

Components

2-Butoxyethanol

US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

Under RCRA, it is the responsibility of the person who generates a solid waste, as defined in 40 CFR

261.2, to determine if that waste is a hazardous waste.

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
>=1%	Polyester Polyol	
20 - 30%	Polymer	CAS# is a trade secret
7 - 13%	Hydrofluorocarbon	460-73-1
>=1%	Polyether Polyol	CAS# is a trade secret
3 - 7%	Chlorinated Phosphate Ester	CAS# is a trade secret
1 - 5%	2-Butoxyethanol	111-76-2

New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists:

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
1 - 5%	2-Butoxyethanol	111-76-2
0.1 - 1%	Ethylene Glycol	107-21-1

Pennsylvania Right to Know Special Hazard Substance List:

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
<0.1%	1,4-Dioxane	123-91-1

MA Right to Know Extraordinarily Hazardous Substance List:

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
<0.1%	1,4-Dioxane	123-91-1

California Prop. 65:

Warning! This product contains chemical(s) known to the State of California to be Carcinogenic.

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
<0.1%	1,4-Dioxane	123-91-1

16. Other information

NFPA 704M Rating

Health	2
Flammability	1
Reactivity	0
Other	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

HMIS Rating

Health	2*
Flammability	1
Physical Hazard	0

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

* = Chronic Health Hazard

The method of hazard communication for Bayer MaterialScience LLC is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by Bayer MaterialScience LLC as a customer service.

Contact person: Product Safety Department
Telephone: (412) 777-2835
MSDS Number: 112000039193
Version Date: 01/20/2010
Report version: 1.1

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