

POLYONE CORPORATION**MATERIAL SAFETY DATA SHEET****P1 NEUTRAL I-SKIN**Version Number 1.0
Revision Date 10/26/2007Page 1 of 6
Print Date 12/2/2011**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 or accident).**Product name : P1 NEUTRAL I-SKIN
Product code : FO20017572
Chemical Name : Mixture
CAS-No. : Mixture
Product Use : Industrial Applications**2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS**

| Components | CAS-No. | Weight % |
|-----------------|----------|----------|
| 1,4-Butanediol | 110-63-4 | 5 - 10 |
| Ethylene glycol | 107-21-1 | 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.

POLYONE CORPORATION

MATERIAL SAFETY DATA SHEET

P1 NEUTRAL I-SKIN

Version Number 1.0
Revision Date 10/26/2007

Page 2 of 6
Print Date 12/2/2011

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 : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), other hazardous materials, and smoke are all possible.

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 : The product should not be allowed to enter drains, water courses or the soil. Should not be released into the environment.

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

POLYONE CORPORATION

MATERIAL SAFETY DATA SHEET

P1 NEUTRAL I-SKIN

Version Number 1.0
Revision Date 10/26/2007

Page 4 of 6
Print Date 12/2/2011

10. STABILITY AND REACTIVITY

- Stability : Stable.
- Hazardous Polymerization : Will not occur.
- 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 |
|----------|-----------------|------------------|---|
| 110-63-4 | 1,4-Butanediol | Irritant | Eyes, Skin, Respiratory system. |
| | | Systemic effects | Kidney, central nervous system (CNS). |
| 107-21-1 | Ethylene glycol | Systemic effects | Eyes, Skin, Respiratory system, central nervous system (CNS). |

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 |
|----------|-----------------|-------------|-------------|---------|
| 110-63-4 | 1,4-Butanediol | Oral LD50 | 1,525 mg/kg | rat |
| 107-21-1 | Ethylene glycol | Oral | 4,700 | rat |
| | | LD50Oral | mg/kg8,200 | pig |
| | | LD50Oral | mg/kg14,600 | mouse |
| | | LD50Oral | mg/kg6,140 | rabbit |
| | | LD50 | mg/kg | |
| | | Dermal LD50 | 9530 ul/kg | |

Additional Health Hazard Information:

Ethylene glycol 107-21-1 The metabolites may cause reproductive as well as developmental toxicity or birth defects.

12. ECOLOGICAL INFORMATION

Persistence and degradability : No data available

POLYONE CORPORATION**MATERIAL SAFETY DATA SHEET****P1 NEUTRAL I-SKIN**

Version Number 1.0
Revision Date 10/26/2007

Page 5 of 6
Print Date 12/2/2011

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 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

POLYONE CORPORATION**MATERIAL SAFETY DATA SHEET****P1 NEUTRAL I-SKIN**Version Number 1.0
Revision Date 10/26/2007Page 6 of 6
Print Date 12/2/2011

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

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)

| Chemical Name | CAS-No. | Weight % | NPRI ID# |
|-----------------|----------|-------------|----------|
| Ethylene glycol | 107-21-1 | 0.10 - 1.00 | 114 |

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

| |
|----------|
| CAS-No. |
| 107-21-1 |

DSL : All of the components of this product are listed on the Canadian Inventories or are exempt. However, at least one component of this product is on the Canadian Non-Domestic Substances List (NDSL). Quantity use in Canada is restricted by regulations.

National Inventories:

Australia AICS : Not determined
China IECS : Not determined
Europe EINECS : Not determined
Japan ENCS : Not determined
Korea KECI : Not determined
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.