

Polycorp - C-90/C-91

SECTION 1. IDENTIFICATION

| | |
|--------------------------------------|---|
| Product Identifier | Polycorp - C-90/C-91 |
| Other Means of Identification | Cement |
| Recommended Use | Adhesive. |
| Manufacturer | Polycorp Ltd., 33 York Street West, Elora, Ontario, N0B 1S0, Canada |
| Emergency Phone No. | CHEMTREC, 1-800-424-9300 |
| SDS No. | C-91/C-91 |

SECTION 2. HAZARD IDENTIFICATION

Classification

Flammable liquid - Category 2; Acute toxicity (Oral) - Category 4; Acute toxicity (Inhalation) - Category 4; Skin irritation - Category 2; Serious eye damage - Category 1; Skin sensitization - Category 1; Germ cell mutagenicity - Category 2; Carcinogenicity - Category 1; Reproductive toxicity - Category 2; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 2; Aspiration hazard - Category 1

Label Elements



Signal Word:
Danger

Hazard Statement(s):

| | |
|-------------|--|
| H225 | Highly flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H302 + H332 | Harmful if swallowed or if inhaled. |
| H319 | Causes serious eye irritation. |
| H317 | May cause an allergic skin reaction. |
| H350 | May cause cancer. |
| H361 | Suspected of damaging fertility or the unborn child. |

Precautionary Statement(s):

Prevention:

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| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P264 | Wash hands thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |

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P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P314 Get medical advice or attention if you feel unwell.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | % | LC50 | LD50 (Oral) |
|---|------------|----------|--|-----------------------|
| Xylene (mixed isomers) | 1330-20-7 | 15-40% | 6350 ppm (male rat) (4-hour exposure) | 3523 mg/kg (rat) |
| Methyl ethyl ketone | 78-93-3 | 10-30% | 11300 ppm (female rat) (4-hour exposure) | 2740 mg/kg (male rat) |
| 2-Propanol | 67-63-0 | 10-30% | 17000 ppm (rat) (4-hour exposure) | 4720 mg/kg (male rat) |
| Ethylbenzene | 100-41-4 | 5-10% | 4000 ppm (rat) (4-hour exposure) | 3500 mg/kg (rat) |
| Formaldehyde, polymer with (chloromethyl)oxirane and 2-methylphenol | 29690-82-2 | 1.0-5.0% | N/A | N/A |
| Epichlorohydrin | 106-89-8 | 1.0-5.0% | 355 ppm (rat) (4-hour exposure) | 90 mg/kg (rat) |
| Ethanol | 64-17-5 | 0.1-1.0% | > 32380 ppm (rat) (4-hour exposure) | 7060 mg/kg (male rat) |
| 3,4-EPOXYCYCLOHEXYLMETHYL-3,4-EPOXYCYCLOHEXANECARBOXYLATE | 2386-87-0 | 0.1-1.0% | N/A | 4490 mg/kg (rat) |

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

If experiencing respiratory symptoms (e.g. coughing, shortness of breath, wheezing), call a Poison Centre or doctor. Move to fresh air. Call a physician if symptoms develop or persist.

Skin Contact

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). If skin irritation or a rash occurs, get medical advice or attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

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Get medical advice or attention if you feel unwell or are concerned. Immediately call a Poison Centre or doctor. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Rinse mouth with water. Do not induce vomiting.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Specific Hazards Arising from the Product

May accumulate in hazardous amounts in low-lying areas especially inside confined spaces, resulting in a fire and/or health hazard. Can be ignited by static discharge.

Not known to generate any hazardous decomposition products in a fire.

Special Protective Equipment and Precautions for Fire-fighters

Use extreme caution.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Non-emergency personnel: use the personal protective equipment recommended in Section 8 of this safety data sheet. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Eliminate all ignition sources if safe to do so.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Flush spill area. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Do NOT eat, drink or store food in work areas. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Conditions for Safe Storage

Store in original tightly closed container separate from incompatible materials (see Section 10: Stability and Reactivity). Store in an area that is: well-ventilated, clear of combustible and flammable materials (e.g. old rags, cardboard).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

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Wear chemical protective clothing e.g. gloves, aprons, boots. Wear fire resistant or flame retardant clothing.

Respiratory Protection

Wear a NIOSH approved self-contained breathing apparatus (SCBA) or supplied air respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Other Information

Physical State Solid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use, storage, and transport.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources. Generation of dust. Incompatible materials. Elevated pressure.

Incompatible Materials

Increased risk of fire and explosion on contact with: oxidizing agents (e.g. peroxides), strong acids (e.g. hydrochloric acid).

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|---|---|-----------------------|------------------------|
| Xylene (mixed isomers) | 6350 ppm (male rat) (4-hour exposure) | 3523 mg/kg (rat) | Not available |
| Ethylbenzene | 4000 ppm (rat) (4-hour exposure) | 3500 mg/kg (rat) | 15380 mg/kg (rabbit) |
| Methyl ethyl ketone | 11300 ppm (female rat) (4-hour exposure) | 2740 mg/kg (male rat) | > 8050 mg/kg (rabbit) |
| 2-Propanol | 17000 ppm (rat) (4-hour exposure) | 4720 mg/kg (male rat) | 12890 mg/kg (rabbit) |
| Formaldehyde, polymer with (chloromethyl)oxirane and 2-methylphenol | Not available | Not available | Not available |
| Epichlorohydrin | 355 ppm (rat) (4-hour exposure) | 90 mg/kg (rat) | 515 mg/kg (rabbit) |
| Ethanol | > 32380 ppm (rat) (4-hour exposure) | 7060 mg/kg (male rat) | > 15800 mg/kg (rabbit) |
| 3, 4- EPOXYCYCLOHEXYLMETH YL-3, | Not available | 4490 mg/kg (rat) | Not available |

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|---------------------------------------|--|--|--|
| 4- EPOXYCYCLOHEXANECAR BOXYLATE | | | |
|---------------------------------------|--|--|--|

Skin Corrosion/Irritation

Human experience shows very mild irritation.

Serious Eye Damage/Irritation

Causes serious eye irritation based on skin irritation information.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause nose and throat irritation.

Ingestion

Harmful based on human experience and animal tests.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

Not known to be a skin sensitizer.

Human experience shows severe asthma or asthma-like symptoms (respiratory sensitization) in rare cases following exposure at work.

Carcinogenicity

May cause cancer.

Reproductive Toxicity

Development of Offspring

May harm the unborn child.

Germ Cell Mutagenicity

Not known to be a mutagen.

SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located. See Supplemental Information in Section 2.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. Empty containers retain product residue. Follow label warnings even if container appears to be empty.

SECTION 14. TRANSPORT INFORMATION

Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

| Regulation | UN No. | Proper Shipping Name | Transport Hazard Class(es) | Packing Group |
|--------------|--------|----------------------|----------------------------|---------------|
| Canadian TDG | 1133 | ADHESIVES | 3 | II |

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This product is not known to be a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Canada

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Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

CEPA - National Pollutant Release Inventory (NPRI)

(Xylene (mixed isomers)) Part 5.
(2-Propanol) Part 1A, Part 5.
(Methyl ethyl ketone) Part 1A, Part 5.
(Ethylbenzene) Part 1A.
(Epichlorohydrin) Part 1A.
(Ethanol) Part 5.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

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|------------------------------|--|
| SDS Prepared By | Polycorp Ltd. |
| Date of Preparation | May 23, 2018 |
| Date of Last Revision | June 04, 2018 |
| Disclaimer | Polycorp cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in this sheet was written based on the best knowledge and experience currently available. |

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