

Polycorp - 4048

SECTION 1. IDENTIFICATION

Product Identifier	Polycorp - 4048
Other Means of Identification	MOR (Moderate Oil Resistance Rubber)
Other Identification	MOR
Recommended Use	Rubber Lining for Corrosion and Abrasion.
Manufacturer	Polycorp Ltd., 33 York Street West, Elora, Ontario, N0B 1S0, Canada
Emergency Phone No.	CHEMTREC, 1-800-424-9300
SDS No.	4048

SECTION 2. HAZARD IDENTIFICATION

Label Elements



Signal Word:
Warning

Hazard Statement(s):

- H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

Prevention:

- P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, sparks, open flames, and hot surfaces. – No smoking.
P233 Keep container tightly closed.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.

Response:

- P314 Get medical advice or attention if you feel unwell.
P391 Collect spillage.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	LC50	LD50 (Oral)
Zinc oxide	1314-13-2	1-5%	> 5700 mg/m3	> 5000 mg/m3 (rat)
N-(1,3-Dimethylbutyl)-N'-phenyl-1, 4-phenylenediamine	793-24-8	0.5-1.5%	N/A	1005 mg/kg (male rat)
2-(CYCLOHEXYLAMINOTHIO) BENZOTHAZOLE	95-33-0	0.5-1.5%	N/A	5300 mg/kg (rat)
4,4'-Dithiobis(morpholine)	103-34-4	0.5-1.5%	1624 mg/m3 (mouse)	4300 mg/kg (rat)
N-(CYCLOHEXYLTHIO) PHTHALIMIDE	17796-82-6	0.1-1.0%	N/A	206 mg/kg (mouse)
Tetramethylthiuram disulfide	137-26-8	0.1-1.0%	500 mg/m3 (rat) (4-hour exposure)	560 mg/m3 (rat)

Notes

This mixture has not been evaluated as a whole. All ingredients are bound in a polymer matrix. The potential for hazardous exposure as shipped is minimal. However, some fumes may be released upon heating or vulcanization and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respirator program, etc.) to protect his employees from exposure. The above ingredients which have a weight percent value under the OSHA column are considered hazardous per OSHA.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. If exposed or concerned, get medical advice or attention.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. If exposed or concerned, get medical advice or attention.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open.

Ingestion

Rinse mouth with water. If exposed or concerned, get medical advice or attention.

First-aid Comments

Some of the first-aid procedures recommended here require advanced first-aid training.

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

This product presents no unusual hazards in a fire situation.

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

Special Protective Equipment and Precautions for Fire-fighters

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SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use. **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

Increased risk of fire and explosion on contact with: oxidizing agents (e.g. peroxides).

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)
Zinc oxide	> 5700 mg/m ³ (rat) (4-hour exposure)	> 5000 mg/m ³ (rat)	Not available
N-(1,3-Dimethylbutyl)-N'-phenyl-1,4-phenylenediamine	Not available	1005 mg/kg (male rat)	> 7940 mg/kg (rabbit)
2-(CYCLOHEXYLAMINOTHIO)BENZOTHAZOLE	Not available	5300 mg/kg (rat)	> 7940 mg/kg (rat)
4,4'-Dithiobis(morpholine)	1624 mg/m ³ (mouse)	4300 mg/kg (rat)	1660 mg/kg (mouse)
N-(CYCLOHEXYLTHIO)PHTHALIMIDE	Not available	206 mg/kg (mouse)	> 5010 mg/kg (rabbit)
Tetramethylthiuram disulfide	500 mg/m ³ (rat) (4-hour exposure)	560 mg/m ³ (rat)	1250 mg/m ³ (mouse)

Skin Corrosion/Irritation

Human experience shows very mild irritation.

Serious Eye Damage/Irritation

Human experience and animal tests show no or very mild irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure Inhalation

Not harmful based on human experience and animal tests.

Ingestion

Not 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 respiratory sensitizer.

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Can cause an allergic reaction (skin sensitization) based on animal tests.

Carcinogenicity

Not a carcinogen.

Reproductive Toxicity Development of Offspring

Not known to harm the unborn child.

Germ Cell Mutagenicity

No information was located.

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. Dispose of or recycle empty containers through an approved waste management facility.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

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

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

All ingredients are listed on the DSL/NDSL.

USA

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

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

SDS Prepared By Polycorp Ltd.

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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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