

Safety Data Sheet FORTRIX CATALYST

Safety Data Sheet dated 7/29/2026 version 2

Date of first edition: 04/29/2025

1: Identification

Product identifier

Mixture identification:

Trade name: FORTRIX CATALYST

Trade code: 9067401

Recommended use and restrictions on use

Recommended use: Peroxide

Restrictions on use: Not available

Supplier's details

Company: Polyglass U.S.A. Inc.

1111 West Newport Center Drive - 33442 - Deerfield Beach - FL - USA

Phone: 866-222-9782

Responsible: RDProductSafety@mapei.com

Emergency phone number

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

2. Hazard identification



Classification of the product

Self-reactive chemicals, Type D

Eye irritation, Category 2A

Skin Sensitization, Category 1

Reproductive toxicity, Category 1B

Acute (short-term) aquatic hazard - Category 1

Chronic (long-term) aquatic hazard - Category 1

Heating may cause a fire.

Causes serious eye irritation.

May cause an allergic skin reaction.

May damage fertility. May damage the unborn child.

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

Label elements

Hazard pictograms and Signal Word



Danger

Hazard statements

H242 Heating may cause a fire.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H360FD May damage fertility. May damage the unborn child.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.

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.

P234 Keep only in original packaging.

P235 Keep cool.

P240 Ground and bond container and receiving equipment.

P261 Avoid breathing mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280	Wear protective gloves/clothing and eye/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire, use a dry powder fire extinguisher to extinguish.
P391	Collect spillage.
P403	Store in a well-ventilated place.
P411	Store at temperatures not exceeding ... °C
P420	Store separately.
P501	Dispose of contents/container in accordance with applicable regulations.

Other hazards

None

Ingredient(s) with unknown acute toxicity

None

3. Composition/information on ingredients

Substances

Not Relevant

Mixtures

Hazardous components within the meaning of WHMIS 2015 (HPR and its amendments) and related classification:

List of components

Qty	Name	Ident. Numb.	Classification
≥50 - <60 %	dicyclohexyl phthalate; 1,2-Benzenedicarboxylic acid, 1,2-dicyclohexyl ester	CAS:84-61-7 EC:201-545-9 Index:607-719-00-4	Skin Sens. 1, H317; Repr. 1B, H360; Aquatic Chronic 2, H411
≥40 - <50 %	dibenzoyl peroxide; Benzoyl benzenecarboxyate	CAS:94-36-0 EC:202-327-6 Index:617-008-00-0	Org. Perox. B, H241; Eye Irrit. 2A, H319; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410

The actual concentration of the components listed above is withheld as a trade secret.

Declared percentages are expressed in w/w

4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- Remove contaminated clothing immediately and dispose of safely.
- After contact with skin, wash immediately with soap and plenty of water.
- If skin irritation or rash occurs: Get medical advice/attention.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.
- Remove contact lenses, if present and easy to do. Continue rinsing.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

- Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

Eye irritation

Eye damages

Indication of immediate medical attention and special treatment needed, if necessary

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:
(see paragraph 4.1)

5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

In case of fire, use a dry powder fire extinguisher to extinguish.
CO2 or Dry chemical fire extinguisher.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
Hazardous combustion products: Not available
Explosive properties: Not available
Oxidizing properties: Not available

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.
Remove persons to safety.
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Limit leakages with earth or sand.

Methods and material for containment and cleaning up

Take up mechanically and dispose of according to local/state/federal regulations
Scoop into containers and seal for disposal.
Retain contaminated washing water and dispose it.

7. Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Exercise the greatest care when handling or opening the container.
Do not breathe dust.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
Wash skin thoroughly after handling.
See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.
Do not pour the product into other containers. Always use the original container.
Keep away from food, drink and feed.

Incompatible materials:

Store away from incompatible materials (see Section 10 of the SDS).

Instructions as regards storage premises:

Cool and adequately ventilated.

Storage temperature: Not available

8. Exposure controls/personal protection

Control parameters

Occupational Exposure Limits (OEL)

dicyclohexyl phthalate; 1,2-Benzenedicarboxylic acid, 1,2-dicyclohexyl ester

CAS: 84-61-7 MAK AUSTRIA Long Term: 5 mg/m³

dibenzoyl peroxide; Benzoyl benzenecarboperoxoate

CAS: 94-36-0	ACGIH	Long Term: 5 mg/m ³ Notes: A4 - URT and skin irr
		Long Term: 5 mg/m ³ Notes: A4 - Not Classifiable as a Human Carcinogen; skin and upper respiratory tract irritation
		Long Term: 5 mg/m ³ Notes: A4 - Not Classifiable as a Human Carcinogen; skin and upper respiratory tract irritation
MAK	AUSTRIA	Long Term: 5 mg/m ³ ; Short Term: 10 mg/m ³
MAK	SWITZERLAND	Long Term: 5 mg/m ³
	D	
MAK	GERMANY	Long Term: 5 mg/m ³
OSHA		Long Term: 5 mg/m ³
		Long Term: 5 mg/m ³

Predicted No Effect Concentration (PNEC) values

dicyclohexyl phthalate; 1,2-Benzenedicarboxylic acid, 1,2-dicyclohexyl ester

CAS: 84-61-7 Exposure Route: Fresh Water
Exposure Route: Intermittent release
Exposure Route: Marine water
Exposure Route: Freshwater sediments
Exposure Route: Marine water sediments
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 10 mg/l
Exposure Route: Soil

dibenzoyl peroxide; Benzoyl benzenecarboperoxoate

CAS: 94-36-0 Exposure Route: Fresh Water; PNEC Limit: 0.00002 mg/l
Exposure Route: Marine water; PNEC Limit: 0.000002 mg/l
Exposure Route: Intermittent release; PNEC Limit: 0.013 mg/kg
Exposure Route: Marine water sediments; PNEC Limit: 0.001 mg/kg
Exposure Route: Soil; PNEC Limit: 0.003 mg/kg
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 0.35 mg/l

Derived No Effect Level (DNEL) values

dicyclohexyl phthalate; 1,2-Benzenedicarboxylic acid, 1,2-dicyclohexyl ester

CAS: 84-61-7 Exposure Route: Human Dermal; Exposure Frequency: Short Term (acute)
Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Exposure Route: Human Inhalation; Exposure Frequency: Short Term (acute)
Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Exposure Route: Human Inhalation; Exposure Frequency: Short Term (acute)
Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects

dibenzoyl peroxide; Benzoyl benzenecarboperoxoate

CAS: 94-36-0 Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 39 mg/m³
Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 13.3 mg/kg
Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 2 mg/kg

Appropriate engineering controls

Not available

Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Use close fitting safety goggles, don't use contact lenses.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$.

Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$.

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

N.A.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Solid
Color:	White
Odour:	mild
Melting point / freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point:	No data available
Auto-ignition temperature:	520.00 °C Method: Auto-ignition of a dust cloud according to EN 80079-20-2 G-G Oven
Decomposition temperature:	55.00 °C
pH:	No data available
Kinematic viscosity:	No data available
Viscosity:	No data available
Solubility in water:	insoluble
Solubility in oil:	No data available
Partition coefficient (n-octanol/water):	No data available
Vapour pressure:	No data available
Relative density:	No data available
Relative vapour density:	No data available
Particle characteristics:	
Particle size:	No data available

10. Stability and reactivity

Reactivity

Stable under normal conditions

Chemical stability

Data not available.

Possibility of hazardous reactions

None.

Conditions to avoid

Stable under normal conditions.

Incompatible materials

Avoid contact with oxidizing materials. The product could catch fire.

Hazardous decomposition products

None.

11. Toxicological information

Information on toxicological effects

Likely routes of exposure:

Skin contact, skin absorption, eye contact, inhalation and ingestion.

Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	The product is classified: Eye irritation, Category 2A(H319)
d) respiratory or skin sensitisation	The product is classified: Skin Sensitization, Category 1(H317)
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	The product is classified: Reproductive toxicity, Category 1B(H360)
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

dicyclohexyl phthalate; 1,2-Benzenedicarboxylic acid, 1,2-dicyclohexyl ester

CAS: 84-61-7 a) acute toxicity LD50 Oral Rat > 2000 mg/kg
LD50 Skin Rat > 2000 mg/kg
LD50 Oral Rat = 30 ml/kg

dibenzoyl peroxide; Benzoyl benzenecarboperoxoate

CAS: 94-36-0 a) acute toxicity LD50 Oral Rat > 2000 mg/kg

Substance(s) listed on the IARC Monographs:

dibenzoyl peroxide; Benzoyl benzenecarboperoxoate Group 3

Substance(s) listed as OSHA Carcinogen(s):

None

Substance(s) listed as NIOSH Carcinogen(s):

None

Substance(s) listed on the NTP report on Carcinogens:

None

12. Ecological information

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

List of Eco-Toxicological properties of the product

The product is classified: Acute (short-term) aquatic hazard - Category 1(H400), Chronic (long-term) aquatic hazard - Category 1(H410)

List of Eco-Toxicological properties of the components

dicyclohexyl phthalate; 1,2-Benzenedicarboxylic acid, 1,2-dicyclohexyl ester

CAS: 84-61-7 a) Aquatic acute toxicity: LC50 Fish > 2 mg/L 96
a) Aquatic acute toxicity: EC50 Daphnia > 2 mg/L 48
b) Aquatic chronic toxicity: NOEC Daphnia = 0.181 mg/L 21d

dibenzoyl peroxide; Benzoyl benzenecarboperoxoate

CAS: 94-36-0 a) Aquatic acute toxicity: LC50 Fish = 0.0602 mg/L 96h
a) Aquatic acute toxicity: EC50 Daphnia = 0.11 mg/L 48h
a) Aquatic acute toxicity: EC50 Algae = 23.1 mg/L 48h
b) Aquatic chronic toxicity: EC10 Daphnia = 0.001 mg/L 21d

Persistence and degradability

dicyclohexyl phthalate; 1,2-Benzenedicarboxylic acid, 1,2-dicyclohexyl ester

CAS: 84-61-7 Readily biodegradable

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

N.A.

13. Disposal considerations

Safe handling and methods for disposal

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

14. Transport information

UN number

TDG-UN number:

ADR-UN number: 3106

DOT-UN Number: UN3106

IATA-Un number: 3106

IMDG-Un number: 3106

UN proper shipping name

TDG-Shipping Name:

ADR-Shipping Name: ORGANIC PEROXIDE TYPE D, SOLID

DOT-Proper Shipping Name: Organic peroxide type D, solid

IATA-Technical name: ORGANIC PEROXIDE TYPE D, SOLID

IMDG-Technical name: ORGANIC PEROXIDE TYPE D, SOLID

Transport hazard class(es)

TDG-Class:

ADR-Class: 5.2

DOT-Hazard Class: 5.2

IATA-Class: 5.2

IMDG-Class: 5.2

Packing group

TDG-Packing Group:

ADR-Packing Group: -

DOT Packing Group: -

IATA-Packing group: -

IMDG-Packing group: -

Environmental hazards

Marine pollutant: Yes

Environmental Pollutant: Not Applicable

DOT-RQ: No

Not Applicable

Special precautions in connection with transport or conveyance

TDG:

TDG Special provisions: N/A

Department of Transportation (DOT):

DOT-Special Provision(s): -

DOT-Label(s): 5.2

DOT-Symbol: N/A

DOT-Cargo Aircraft: 10 kg

DOT-Passenger Aircraft: 5 kg

DOT-Bulk: None

DOT-Non-Bulk: 225

DOT-Limited Quantity threshold: 500 g

Road and Rail (ADR-RID) :

ADR-Label: 5.2

ADR-Hazard identification number: -

ADR-Transport category (Tunnel restriction code): 2 (D)

Air (IATA) :

IATA-Passenger Aircraft: 570

IATA-Cargo Aircraft: 570

IATA-Label: 5.2 + KAFH

IATA-Subsidiary hazards: -

IATA-Erg: 5L

IATA-Special Provisioning: A20 A802

Sea (IMDG) :

IMDG-Stowage and handling: Category D SW1

IMDG-Segregation: SG35 SG36 SG72

IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: 122 274

IMDG-EMS: F-J, S-R

15. Regulatory information

Canada - Federal regulations

This Safety Data Sheet has been prepared according to the WHMIS Hazardous Products Regulations (SOR/2015-17 as amended by SOR/2022-272).

DSL - Domestic Substances List

All the substances are listed in the DSL.

NDSL - Non Domestic Substances List

This product complies with NDSL inventory

NPRI - National Pollutant Release Inventory

NPRI (National Pollutant Release Inventory) - List of substances listed.

No substances listed

USA - Federal regulations

TSCA - Toxic Substances Control Act

All the components are listed on the TSCA inventory

TSCA listed substances:

dicyclohexyl phthalate; 1,2- is listed in TSCA Section 8b
Benzenedicarboxylic acid, 1,2-
dicyclohexyl ester

dibenzoyl peroxide; Benzoyl is listed in TSCA Section 8b
benzenecarboperoxoate

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances:

No substances listed

Section 304 - Hazardous substances:

No substances listed

Section 313 - Toxic chemical list:

dibenzoyl peroxide; Benzoyl benzenecarboperoxoate

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act**Substance(s) listed under CERCLA:**

No substances listed

CAA - Clean Air Act**CAA listed substances:**

No substances listed

CWA - Clean Water Act**CWA listed substances:**

No substances listed

USA - State specific regulations**California Proposition 65****Substance(s) listed under California Proposition 65:**

No substances listed

Massachusetts Right to know**Substance(s) listed under Massachusetts Right to know:**

dibenzoyl peroxide; Benzoyl benzenecarboperoxoate

Pennsylvania Right to know**Substance(s) listed under Pennsylvania Right to know:**

dibenzoyl peroxide; Benzoyl benzenecarboperoxoate

New Jersey Right to know**Substance(s) listed under New Jersey Right to know:**

dibenzoyl peroxide; Benzoyl benzenecarboperoxoate

16. Other information

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Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Code	Description
H241	Heating may cause a fire or explosion.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H360	May damage fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
A.3/2A	Eye Irrit. 2A	Eye irritation, Category 2A
A.4.2/1	Skin Sens. 1	Skin Sensitization, Category 1
A.7/1B	Repr. 1B	Reproductive toxicity, Category 1B
B.15/B	Org. Perox. B	Organic peroxides, Type B
CAN-HAE/A1	Aquatic Acute 1	Acute (short-term) aquatic hazard - Category 1
CAN-HAE/C1	Aquatic Chronic 1	Chronic (long-term) aquatic hazard - Category 1
CAN-HAE/C2	Aquatic Chronic 2	Chronic (long-term) aquatic hazard - Category 2

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
CLP: Classification, Labeling, Packaging.
EINECS: European Inventory of Existing Commercial Chemical Substances.
INCI: International Nomenclature of Cosmetic Ingredients.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
GefStoffVO: Ordinance on Hazardous Substances, Germany.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
DNEL: Derived No Effect Level.
PNEC: Predicted No Effect Concentration.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
WGK: German Water Hazard Class.
KSt: Explosion coefficient.

Paragraphs modified from the previous revision:

- Safety Data Sheet
- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION