

Red Head A7+ Hardener

Safety Data Sheet

According to the Hazardous Products Regulations (HPR) WHMIS 2022
Issue date: 03-24-2026 Revision date: 03-24-2026 Version: 1.0

SECTION 1 Identification

1.1. GHS Product identifier

Product name : Red Head A7+ Hardener
Product code : A7P-10; A7P-28

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Chemical fixing
Restrictions on use: : Use as intended for concrete anchoring applications

1.4. Supplier's details

Manufacturer

ITW Construction Products Canada
120 Travail Road
Markham, ON, L3S 3J1
T 905-471-7403

1.5. Emergency phone number

Emergency number : CANUTEC 24-hour number (613-996-6666).

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Eye irritation, Category 2A	H319	Causes serious eye irritation.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Specific target organ toxicity, Single exposure, Category 1	H370	Causes damage to organs (central nervous system, kidneys) (oral).

2.2. GHS label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS-CA) :



Signal word (GHS CA) : Danger

Hazard statements (GHS-CA) : H302 - Harmful if swallowed
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H370 - Causes damage to organs (central nervous system, kidneys) (oral).

Precautionary statements (GHS-CA) : P260 - Do not breathe dust, fume, gas, mist, vapours, spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.

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P272 - Contaminated work clothing should not be allowed out of the workplace..
P280 - Wear protective gloves, protective clothing, eye and face protection.
P308+P311 - IF exposed or concerned: Call a POISON CENTER or a doctor
P301+P312 - IF SWALLOWED: Call a POISON CENTER or a doctor if you feel unwell.
P330 - Rinse mouth.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P362+P364 - Take off contaminated clothing and wash it before reuse
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention..
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice or attention.
P405 - Store locked up.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity

Not applicable

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	Conc. (% w/w)
Ethylene glycol	1,2-Dihydroxyethane / Ethane-1,2-diol / 1,2-Ethenediol / Ethanediol / GLYCOL / Glycol / Monoethylene glycol	CAS-No.: 107-21-1	10 - 30
Dibenzoyl peroxide	Benzoyl peroxide / Benzoyl superoxide / Diphenylglyoxal peroxide / Peroxide, dibenzoyl / BPO	CAS-No.: 94-36-0	10 – 30

Comments : *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of Water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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First-aid measures after ingestion	: IF SWALLOWED: Do not induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
First-aid measures general	: IF exposed or concerned: Call a POISON CENTER/doctor.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects	: Causes damage to organs (central nervous system, Kidneys, oral).
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Other medical advice or treatment	: Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon. peroxides. Irritating vapours.
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5.3. Special protective actions for fire-fighters

Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
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SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Environmental precautions	: Prevent entry to sewers and public waters.

6.2. Methods and materials for containment and cleaning up

For containment	: Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

For further information refer to section 8: "Exposure controls/personal protection"

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SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.
- Hygiene measures : Take off contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Store locked up.
- Storage temperature : 5 – 30 °C (41 and 86 °F).

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Ethylene glycol (107-21-1)	
USA - ACGIH® - Threshold Limit Values	
Local name	Ethylene glycol
ACGIH® TLV® TWA	25 ppm (vapor fraction)
ACGIH® TLV® STEL	10 mg/m ³ (inhalable particulate matter, aerosol only)
ACGIH® TLV® STEL	50 ppm (vapor fraction)
Remark (ACGIH®)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH® chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2024
Dibenzoyl peroxide (94-36-0)	
USA - ACGIH® - Threshold Limit Values	
ACGIH® TLV® TWA	5 mg/m ³
ACGIH® chemical category	Not Classifiable as a Human Carcinogen
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	5 mg/m ³

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.
- Environmental exposure controls : Avoid release to the environment.

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

Hand protection:
Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.
Eye protection:
Wear eye/face protection

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Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Paste.
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Density	: > 1
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Viscosity, kinematic	: No data available
Explosive limits	: No data available
Particle characteristics	: No data available

Ethylene glycol (107-21-1)

Boiling point	197.3 °C (at 1013 hPa)
Flash point	115 °C (open cup)
Auto-ignition temperature	398 °C
Vapour pressure	0.1 hPa (at 20 °C)
Particle characteristics	No data available

Dibenzoyl peroxide (94-36-0)

Auto-ignition temperature	80 °C
Vapour pressure	< 1 mm Hg (at 20 °C)

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Dibenzoyl peroxide (94-36-0)

Particle characteristics	No data available
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9.2. Data relevant with regard to physical hazard classes (supplemental)

VOC content : 2.9 % 0.4 lb/gal

SECTION 10 Stability and reactivity

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Keep away from open flames, hot surfaces and sources of ignition. Extremes of temperature. Direct sunlight. Incompatible materials.
Incompatible materials	: reducing agents. Sulfur compounds. Heavy metals. Strong oxidizing agents. Strong acids. Strong bases.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon. Peroxides.
Hardening time:	: No additional information available

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.

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ATE CA (oral)	1666.667 mg/kg bodyweight
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Ethylene glycol (107-21-1)

LD50 oral rat	7712 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	10600 mg/kg (Source: Health Canada)
LD50 dermal	9530 mg/kg
LC50 inhalation rat	> 2.5 mg/l (Exposure time: 6 h Source: ECHA_API)
ATE CA (oral)	500 mg/kg bodyweight
ATE CA (Dermal)	9530 mg/kg bodyweight
LD50, human, oral	1570 mg/kg (ingestion of ethylene glycol is more hazardous to humans than animals (Source: Health Canada))

Dibenzoyl peroxide (94-36-0)

LD50 oral rat	7710 mg/kg (Source: NLM_CIP)
ATE CA (oral)	7710 mg/kg bodyweight

Skin corrosion/irritation : Not classified.

Ethylene glycol (107-21-1)

pH	6 – 7.5 Source: GESTIS
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Serious eye damage/irritation : Causes serious eye irritation.

Ethylene glycol (107-21-1)

pH	6 – 7.5 Source: GESTIS
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Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified.
Carcinogenicity : Not classified.

Ethylene glycol (107-21-1)	
NOAEL (chronic, oral, animal/male, 2 years)	1500 mg/kg bodyweight Animal: mouse, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)

Dibenzoyl peroxide (94-36-0)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified.

Dibenzoyl peroxide (94-36-0)	
NOAEL (animal/male, F0/P)	500 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (animal/female, F0/P)	≥ 1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

STOT-single exposure : Causes damage to organs (central nervous system, kidneys) (oral).

Ethylene glycol (107-21-1)	
STOT-single exposure	Causes damage to organs (central nervous system, kidneys) (oral).

STOT-repeated exposure : Not classified.

Aspiration hazard : Not classified.

Ethylene glycol (107-21-1)	
Viscosity, kinematic	14.465 mm ² /s

Symptoms/effects : Causes damage to organs (central nervous system, Kidneys, oral).

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/effects after ingestion : Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12 Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Hazardous to the aquatic environment, short-term : Not classified.

(acute)

Hazardous to the aquatic environment, long-term : Not classified.

(chronic)

Ethylene glycol (107-21-1)	
LC50 - Fish [1]	> 72860 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	14 – 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	6500 – 13000 mg/l (Species: Pseudokirchneriella subcapitata)

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Ethylene glycol (107-21-1)	
EC50 96h - Algae [2]	6500 – 13000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	≥ 1000 mg/l Test organisms (species): Americamysis bahia (previous name: Mysidopsis bahia) Duration: '23 d'
NOEC chronic crustacea	4.2 mg/l
Dibenzoyl peroxide (94-36-0)	
LC50 - Fish [1]	0.0602 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA)
EC50 - Crustacea [1]	0.11 mg/l Test organisms (species): Daphnia magna

12.2. Persistence and degradability

Red Head A7+ Hardener	
Persistence and degradability	Not established.
Ethylene glycol (107-21-1)	
Persistence and degradability	Rapidly degradable
Dibenzoyl peroxide (94-36-0)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Red Head A7+ Hardener	
Bioaccumulative potential	Not established.
Ethylene glycol (107-21-1)	
Partition coefficient n-octanol/water	-1.36
Dibenzoyl peroxide (94-36-0)	
Partition coefficient n-octanol/water	3.2 (at 22 °C (at pH 7.02)

12.4. Mobility in soil

Ethylene glycol (107-21-1)	
Mobility in soil	0.2 Source: HSDB

12.5. Other adverse effects

Ozone	: Not classified.
Other information	: No other effects known.
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Product/Packaging disposal recommendations	: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
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SECTION 14 Transport information

In accordance with TDG

14.1. UN Number

UN-No. (TDG) : Not regulated

14.2. UN Proper Shipping Name

Proper Shipping Name (TDG) : Not regulated

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : Not regulated

14.4. Packing group, if applicable

Packing group (TDG) : Not regulated

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78⁹ and the IBC Code¹⁰

Not applicable

SECTION 15 Regulatory information

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

SECTION 16 Other Information

Issue date : 03-24-2026

Revision date : 03-24-2026

Other information : None.

Prepared by : Nexreg Compliance Inc.

www.Nexreg.com



Full text of hazard classes and H-statements:

H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H370	Causes damage to organs.

Safety Data Sheet (SDS), Canada - Nexreg 2025

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