

Arch Rival Nails

SAFETY DATA SHEET

Revival Powder

Revision Date: 25-09-2025

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Trade name: Revival Powder

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Professional nail enhancement hardener for use with nail base coat
Uses advised against: All other uses

1.3 Details of the supplier of the Safety Data Sheet

Initial Supplier:

Arch Rival Nails

3595 12th Ave, Port Alberni, BC Canada V9Y 4W9

E-mail: info@archrivalnails.com

Phone: 1-604-821-6829 (English- Business hours: 9 AM - 5 PM PST)

Emergency Contact:

Primary: 1-604-821-6829 (Business hours only)

Secondary: Poison Control Centre Canada: 1-844-POISON-X (1-844-764-7669) - 24/7

After hours: Contact local poison control center

Bilingual Availability Statement: This SDS is available in both English and French. Une FDS en français est disponible sur demande.

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP], WHMIS 2015, and OSHA

HCS 2012:

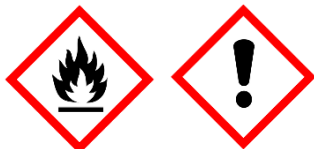
☹ Eye Irritation, Category 2 (H319)

☹ Skin Sensitization, Category 1 (H317)

☹ Organic Peroxide Type B (H241)

2.2 LABEL ELEMENTS:

SIGNAL WORD: DANGER



Hazard statements:

☹ H241: Heating may cause a fire or explosion

☹ H317: May cause an allergic skin reaction

☹ H319: Causes serious eye irritation

Precautionary statements:

Prevention:

â€¢ P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

â€¢ P220: Keep away from clothing and other combustible materials

â€¢ P261: Avoid breathing dust/fume/gas/mist/vapours/spray

â€¢ P272: Contaminated work clothing should not be allowed out of the workplace

â€¢ P280: Wear protective gloves/protective clothing/eye protection/face protection

Response:

â€¢ P302+P352: IF ON SKIN: Wash with plenty of water

â€¢ P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

â€¢ P333+P313: If skin irritation or rash occurs: Get medical advice/attention

â€¢ P337+P313: If eye irritation persists: Get medical advice/attention

â€¢ P362+P364: Take off contaminated clothing and wash it before reuse

â€¢ P370+P378: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish

Storage:

â€¢ P403+P235: Store in a well-ventilated place. Keep cool

â€¢ P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50Â°C/122Â°F

Disposal:

â€¢ P501: Dispose of contents/container in accordance with local/regional/national/international regulations

2.3 Other hazards

EUH208: Contains dibenzoyl peroxide and 3,4,5,6-tetrachloro-2-(1,4,5,8-tetrabromo-6-hydroxy-3-oxoxanthene-9-yl)benzoic acid. May produce an allergic reaction.

PBT/vPvB Assessment: This product does not contain components which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Endocrine Disrupting Properties: Based on available data, this product is not classified as having endocrine disrupting properties.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture meeting the criteria for classification in accordance with Regulation (EC) No. 1272/2008, WHMIS 2015, and OSHA HCS 2012.

Table 1: Component Identification and Classification

Component Name	CAS No.	Classification (CLP/GHS)	Conc. (% w/w)	Notes
Poly(ethyl methacrylate)	9003-42-3	Not classified	50-75	[7]
Poly(methyl methacrylate)	9011-14-7	Not classified	20-24	[7]
Dibenzoyl peroxide	94-36-0	Org. Perox. B (H241); Skin Sens. 1 (H317); Eye Irrit. 2 (H319)	0.1-0.5	[1] [2]
3,4,5,6-tetrachloro-2-(1,4,5,8-tetrabromo-6-hydroxy-3-oxoxanthene-9-yl)benzoic acid	18472-87-2	Eye Irrit. 2 (H319)	0.1-0.5	[1] [3]

The exact percentages (concentrations) of composition have been withheld as trade secrets in accordance with applicable regulations: 29 CFR 1910.1200(i) (USA), WHMIS 2015 Section 5.11 (Canada), and CLP Regulation (EC) 1272/2008 Article 11 (EU). The concentration ranges provided meet all safety disclosure requirements and are sufficient for safe handling, emergency response, and regulatory compliance in all jurisdictions.

Additional Information for Skin Sensitizers $\geq 0.1\%$: This mixture contains dibenzoyl peroxide, a skin sensitizing substance at concentrations $\geq 0.1\%$ that contributes to the overall skin sensitization classification.

Table 2: ATE Values and M-factors (GHS 7&8 Requirements)

Component Name	ATE Oral (mg/kg)	ATE Dermal (mg/kg)	ATE Inhal. (mg/L, 4h)	M-factors
Poly(ethyl methacrylate)	Not classified	Not classified	Not classified	Not applicable
Poly(methyl methacrylate)	Not classified	Not classified	Not classified	Not applicable
Dibenzoyl peroxide	>2000	>2000	>20	Not applicable
3,4,5,6-tetrachloro-2-(1,4,5,8-tetrabromo-6-hydroxy-3-oxoxanthen-9-yl)benzoic acid	>2000	>2000	>20	Not applicable

Mixture M-factor Calculation: No components present have assigned M-factors. Environmental classification not applicable based on component concentrations and classifications.

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

Following inhalation:

Remove person to fresh air immediately. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek immediate medical attention if symptoms persist or develop.

Following skin contact:

Remove contaminated clothing immediately. Wash skin thoroughly with soap and plenty of water for at least 15 minutes. If skin irritation or rash occurs, get medical advice/attention. Wash contaminated clothing before reuse.

Following eye contact:

Rinse immediately with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical advice/attention if eye irritation persists.

Following ingestion:

Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Give water to drink if conscious. Seek immediate medical attention.

Protection of first aider:

Use appropriate personal protective equipment to avoid exposure during rescue. Ensure adequate ventilation when providing first aid.

4.2 Most important symptoms and effects

Immediate symptoms:

☐ Eyes: Irritation, tearing, redness

☐ Skin: Irritation, redness, possible allergic reaction in sensitized individuals

☐ Respiratory: Irritation of nose, throat, and respiratory tract

Delayed effects:

☐ Skin sensitization: May develop allergic contact dermatitis with repeated exposure

☐ Fire/explosion hazard: Organic peroxide component may decompose explosively when heated

4.3 Indication of any immediate medical attention and special treatment needed

For skin sensitization: Medical evaluation for allergic contact dermatitis may be required. Patch testing may be indicated for confirmed sensitization.

For organic peroxide exposure: Monitor for signs of thermal decomposition exposure. Be aware of delayed respiratory effects.

Antidote: No specific antidote. Treatment is symptomatic and supportive.

Special instructions for physician: Repeated skin exposure may result in allergic contact dermatitis. Monitor for signs of allergic sensitization. Contact national poison center for additional treatment advice: Canada 1-844-POISON-X.

Section 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Water spray/mist, alcohol-resistant foam, dry chemical powder, carbon dioxide (CO₂).

Unsuitable extinguishing media:

High pressure water jet (may spread fire). Do not use direct water stream as it may cause spread of peroxide.

5.2 Special hazards arising from the substance or mixture

Combustion products:

Thermal decomposition may produce toxic gases including carbon monoxide, carbon dioxide, chlorine gas, bromine compounds, and organic fragments from polymer breakdown.

Specific hazards:

Contains organic peroxide (dibenzoyl peroxide) which may decompose explosively when heated above 103°C. May accelerate combustion of other materials. Containers may rupture when heated.

5.3 Advice for firefighters

Protective equipment:

Firefighters should wear self-contained breathing apparatus (SCBA) with full face mask and full protective clothing. Use water spray to cool containers exposed to fire from maximum distance.

Special firefighting procedures:

Remove containers from fire area if safe to do so. Use water spray to cool fire-exposed containers. Collect contaminated fire water separately - do not allow to enter drains or waterways. Be aware of explosive decomposition potential of organic peroxides.

5.4 Other information

Organic peroxide component requires special fire-fighting considerations. Avoid shock, friction, and heating above decomposition temperature.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Evacuate unnecessary personnel. Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Do not touch or walk through spilled material. Use personal protective equipment (see Section 8). Avoid shock, friction, and heat sources due to organic peroxide content.

For emergency responders:

Use appropriate personal protective equipment. Approach spill from upwind direction. Prevent further release if safe to do so. Be aware of fire/explosion hazard from organic peroxide component.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements, or confined areas. Notify authorities if product enters waterways or sewers.

6.3 Methods and material for containment and cleaning up

Small spills:

- Contain spill area to prevent spreading
- Avoid creating dust
- Carefully sweep up material using non-sparking tools
- Place in suitable container for disposal
- Avoid shock, friction, and heat sources

Large spills:

- Contain spill using sand or earth dikes
- Prevent spread to drains, sewers, or waterways
- Use non-sparking tools for collection
- Cool area if heated due to organic peroxide decomposition risk
- Collect mechanically avoiding shock and friction

Cleanup:

Ventilate area. Wear appropriate PPE during cleanup. Wash spill area with soap and water after material removal.

SAFETY NOTE: Contains organic peroxide which may be shock and friction sensitive. Handle carefully to avoid decomposition.

6.4 Reference to other sections

See Section 8 for exposure controls and personal protection. See Section 13 for disposal considerations.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

General handling: Use only in well-ventilated areas. Use appropriate personal protective equipment (see Section 8). Avoid contact with skin, eyes, and clothing. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Remove contaminated clothing immediately and wash before reuse.

Professional nail salon use: Ensure adequate ventilation in work area. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. Ground containers and receiving equipment to prevent static electricity buildup.

Organic peroxide considerations:

- Keep cool and protect from heat sources above 50°C
- Avoid shock, friction, and mechanical impact
- Do not mix with incompatible materials
- Store away from combustible materials
- Use non-sparking tools when handling

Hygiene measures: Wash hands and contaminated skin thoroughly after handling. Use appropriate skin protection.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in original container in cool, dry, well-ventilated area away from heat and ignition sources. Store below 25°C (77°F) to prevent organic peroxide decomposition. Keep containers tightly closed when not in use.

Temperature control:

- Maximum storage temperature: 25°C (77°F)
- Avoid temperature fluctuations
- Protect from direct sunlight and heat sources
- Use temperature monitoring in storage areas

Incompatible materials: Strong oxidizing agents (may react violently with organic peroxide), strong acids, strong bases, amines, metal salts, combustible materials, reducing agents.

Storage requirements: Keep out of reach of children. Store in areas with appropriate fire protection. Electrical

equipment should be explosion-proof. Separate from incompatible materials by appropriate distances.

Container considerations: Use original containers. Ensure containers are compatible with organic peroxide content. Check container integrity regularly.

7.3 Specific end use(s)

See Section 1.2. Product designed specifically for professional nail enhancement applications in controlled temperature environments.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits:

Substance	Country	Type	Value	Notes
Dibenzoyl peroxide	USA (ACGIH)	TLV	5 mg/m ³	8-hour TWA
Polymer components	All jurisdictions	None established	None established	Use general ventilation

Derived No-Effect Level (DNEL):

Not established for this mixture. Individual component DNELs should be consulted for detailed risk assessment.

Predicted No-Effect Concentration (PNEC):

Not established for this mixture. Environmental risk assessment should consider individual component PNECs.

8.2 Exposure controls

Engineering controls:

Use adequate general and local exhaust ventilation to maintain airborne concentrations below exposure limits. Use explosion-proof electrical equipment in areas where vapor may be present.

Personal protective equipment:

Respiratory protection:

Not normally required with adequate ventilation. If exposure limits may be exceeded, use NIOSH/MSHA approved particulate respirator (N95 minimum). For emergency or high exposure situations, use positive pressure air-supplied respirator.

Hand protection:

Wear chemical-resistant gloves such as nitrile rubber or neoprene. Glove breakthrough time should be determined for specific application. Replace gloves regularly.

Eye/face protection:

Wear safety glasses with side shields or chemical goggles. Face shield recommended when splash hazard exists. Emergency eyewash station should be available.

Skin protection:

Wear long-sleeved shirt and long pants. Use chemical-resistant apron when handling large quantities. Impervious footwear recommended.

Environmental exposure controls:

Prevent release to environment. Use appropriate containment to avoid environmental contamination. Do not discharge into drains, waterways, or soil.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Enhanced Properties (GHS 7&8 Compliance):

Property	Value
Appearance	Fine powder
Color	Pink
Odor	Odorless
Odor threshold	Not determined
pH	Not applicable (solid)
Melting point/freezing point	Decomposes before melting (organic peroxide)
Initial boiling point/range	Not applicable
Flash point	Not applicable (solid)
Evaporation rate	Not applicable
Flammability	Combustible solid
Upper/lower flammability limits	Not determined
Vapor pressure	<1 mmHg at 20°C
Vapor density	Not applicable
Relative density	1.0 - 1.4 g/cm ³ at 20°C
Solubility(ies)	Insoluble in water; partially soluble in organic solvents
Partition coefficient (n-octanol/water)	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	103°C (dibenzoyl peroxide component)
Viscosity	Not applicable (solid)
Explosive properties	Contains organic peroxide - may explode when heated

Oxidizing properties	Contains oxidizing component (organic peroxide)
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VOC Content:

Additional Physical Properties:

⌘ Particle characteristics: Fine powder, average particle size 10-100 microns

⌘ Mechanical sensitivity: May be sensitive to shock and friction due to organic peroxide content

⌘ Conductivity:

⌘ Bulk density: 0.6-0.9 g/cm³

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity

Contains organic peroxide which may decompose explosively when heated, subjected to shock, or friction. Polymeric components are stable under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions when kept cool and away from ignition sources. Organic peroxide component may decompose above 103Å°C.

10.3 Possibility of hazardous reactions

Hazardous decomposition: Organic peroxide component may decompose explosively above 103Å°C or when subjected to shock, friction, or contamination. Decomposition is highly exothermic and may cause fire or explosion.

10.4 Conditions to avoid

Heat above 25Å°C storage temperature, sparks, open flames, hot surfaces, static electricity, shock, friction, mechanical impact, contamination with incompatible materials.

10.5 Incompatible materials

Strong acids, strong bases, reducing agents (may cause explosive decomposition of peroxide), amines, metal salts (may catalyze decomposition), combustible materials, organic solvents.

10.6 Hazardous decomposition products

Under fire conditions or thermal decomposition: Carbon monoxide, carbon dioxide, benzoic acid, benzene, phenyl radicals, chlorine gas, bromine compounds from halogenated components.

Section 11: TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008 Enhanced Toxicological Information (GHS 7&8 Format)

11.1 Information on toxicological effects

Acute Toxicity:

⌘ Oral: Not classified based on available data

⌘ Dermal: Not classified based on available data

⌘ Inhalation: Limited data available; low acute toxicity expected

ATE Values (Acute Toxicity Estimates):

⌘ Oral ATE: >2000 mg/kg (Category 5 - estimated)

⌘ Dermal ATE: >2000 mg/kg (Category 5 - estimated)

Skin corrosion/irritation:

Not classified for skin irritation. Polymeric components are generally non-irritating.

Serious eye damage/irritation:

Category 2 - Causes serious eye irritation. Based on classification of dibenzoyl peroxide and halogenated component present at >0.1%.

Respiratory or skin sensitization:

Skin Sensitization Category 1 - May cause allergic skin reaction. Based on presence of dibenzoyl peroxide, a known skin sensitizer.

Germ cell mutagenicity:

Not classified. No data indicates mutagenic potential for this mixture.

Carcinogenicity:

Not classified. This product does not contain known human carcinogens above classification thresholds.

Reproductive toxicity:

Not classified. No data indicates reproductive toxicity for this mixture.

STOT-single exposure:

Not classified. May cause mild respiratory tract irritation if dust is inhaled.

STOT-repeated exposure:

Not classified. No evidence of target organ toxicity with repeated exposure.

Aspiration hazard:

Not classified. Solid powder form reduces aspiration risk.

Likely route(s) of exposure:

Dermal contact and eye contact are the most likely routes during professional use. Inhalation exposure possible if dust is generated.

Symptoms related to physical, chemical and toxicological characteristics:

⚠ Skin contact: Possible allergic reaction in sensitized individuals

⚠ Eye contact: Irritation, redness, tearing

⚠ Inhalation: Mild respiratory tract irritation if dust is inhaled

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic Toxicity:

⚠ Acute aquatic toxicity: Based on component data, estimated LC50 (fish, 96h) >100 mg/L

⚠ Chronic aquatic toxicity: Not classified based on available component data

Component Aquatic Toxicity:

⚠ Dibenzoyl peroxide: Limited aquatic toxicity data available

⚠ Halogenated component: May have moderate aquatic toxicity

12.2 Persistence and degradability

Biodegradation:

Polymeric components are expected to biodegrade slowly. Organic peroxide component may degrade abiotically in aquatic environments.

Abiotic degradation:

Dibenzoyl peroxide may undergo hydrolysis in aquatic environments. Halogenated components may persist longer.

12.3 Bioaccumulative potential

Low bioaccumulation potential expected based on component molecular weights and limited water solubility. Polymeric components unlikely to bioaccumulate.

12.4 Mobility in soil

Expected to have low mobility in soil due to limited water solubility. May bind to organic matter in soil.

12.5 Results of PBT and vPvB assessment

This product does not contain components considered to be PBT (Persistent, Bioaccumulative, and Toxic) or vPvB (very Persistent and very Bioaccumulative) at levels $\leq 0.1\%$.

12.6 Endocrine disrupting properties

Based on available data, this product is not classified as having endocrine disrupting properties.

12.7 Other adverse effects

No other known adverse environmental effects at concentrations expected from normal use.

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product disposal:

Dispose as hazardous waste in accordance with local, regional, and national regulations due to organic peroxide content. Do not dispose in regular trash or pour down drains. Consider incineration at approved facility with appropriate emission controls and temperature control for organic peroxides.

Canada-specific requirements:

Classified as hazardous waste under provincial environmental regulations due to organic peroxide content. Consult provincial waste management authority for specific disposal requirements.

EU-specific requirements:

Waste code assignment: 08 01 11* (waste paint and varnish containing organic solvents or other dangerous substances) or 08 04 09* (waste adhesives and sealants containing organic solvents or other dangerous substances).

US-specific requirements:

May be subject to RCRA regulations as hazardous waste due to organic peroxide content. Consult 40 CFR 261 for determination.

Container disposal:

Containers should be completely emptied and disposed of as hazardous waste unless properly decontaminated. Triple rinse containers before recycling or disposal.

Special precautions:

Ensure waste disposal complies with applicable environmental regulations. Avoid shock, friction, and heat during disposal operations. Keep organic peroxide waste cool during transportation to disposal facility.

Section 14: TRANSPORT INFORMATION

14.1 UN number

Road/Rail (ADR/RID): UN3105

Sea (IMDG): UN3105

Air (IATA): UN3105

Note:

When shipped in individual bottles of 12-15 mL and packaged in accordance with Limited Quantity provisions (ADR 3.4, IMDG 3.4, IATA 2.7), this product may qualify for Limited Quantity exemptions with reduced requirements.

14.2 UN proper shipping name

ORGANIC PEROXIDE TYPE D, SOLID

14.3 Transport hazard class(es)

5.2 (Organic Peroxides)

14.4 Packing group

II (for organic peroxide type D)

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

Handle according to good industrial hygiene practices. Ensure packages are properly sealed and labeled for identification. Keep cool during transport. Avoid shock, friction, and heat sources. This product requires temperature control during transport - maximum transport temperature 25Å°C.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable - Product not shipped in bulk.

Section 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

CANADIAN REGULATIONS:

WHMIS 2015 Classification:

- â€¢ Eye Irritation, Category 2
- â€¢ Skin Sensitization, Category 1
- â€¢ Organic Peroxide Type B

Canadian Environmental Protection Act (CEPA):

All components are listed on or exempt from the Domestic Substances List (DSL).

Cosmetic Regulations (Canada):

Subject to Health Canada cosmetic regulations for nail enhancement products.

UNITED STATES REGULATIONS:

OSHA Hazard Communication Standard (29 CFR 1910.1200):

- â€¢ Eye Irritation, Category 2
- â€¢ Skin Sensitization, Category 1
- â€¢ Organic Peroxide Type B

TSCA Status:

All components are listed on the TSCA Inventory or are exempt.

California Proposition 65:

This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity above notification thresholds.

EUROPEAN UNION REGULATIONS:

CLP Regulation (EC) No 1272/2008:

- â€¢ Eye Irritation, Category 2 (H319)
- â€¢ Skin Sensitization, Category 1 (H317)
- â€¢ Organic Peroxide Type B (H241)

REACH Regulation (EC) No 1907/2006:

All components >1 tonne/year are registered or covered by registrations. No authorization required under Annex XIV. No restrictions under Annex XVII apply.

Cosmetic Products Regulation (EC) No 1223/2009:

Product intended for nail enhancement applications must comply with relevant cosmetic regulations.

15.2 Chemical safety assessment

A chemical safety assessment has been carried out for components registered under REACH above 10 tonnes per year. No additional chemical safety assessment required for this mixture.

15.3 Other regulatory information

International regulations:

- â€¢ Australia: Components listed on AIC (Australian Inventory of Industrial Chemicals)
- â€¢ Japan: Components listed on ENCS (Existing and New Chemical Substances)
- â€¢ South Korea: Components listed on K-REACH Existing Chemicals List

Section 16: OTHER INFORMATION

16.1 Indication of changes

This revision updates the SDS for 2025 GHS 7&8 compliance requirements including:

- â€¢ Enhanced ingredient disclosure
- â€¢ Updated precautionary statements
- â€¢ Improved toxicological information format
- â€¢ Addition of bilingual availability statement
- â€¢ Enhanced emergency contact information
- â€¢ Updated regulatory compliance information
- â€¢ Organic peroxide transport classification

16.2 Abbreviations and acronyms

â€¢ ACGIH: American Conference of Governmental Industrial Hygienists
â€¢ ATE: Acute Toxicity Estimate
â€¢ CLP: Classification, Labelling and Packaging
â€¢ DNEL: Derived No-Effect Level
â€¢ EC: European Community
â€¢ ECHA: European Chemicals Agency
â€¢ GHS: Globally Harmonized System
â€¢ NIOSH: National Institute for Occupational Safety and Health
â€¢ OSHA: Occupational Safety and Health Administration
â€¢ PBT: Persistent, Bioaccumulative and Toxic
â€¢ PNEC: Predicted No-Effect Concentration
â€¢ PPE: Personal Protective Equipment
â€¢ REACH: Registration, Evaluation, Authorization of Chemicals
â€¢ STOT: Specific Target Organ Toxicity
â€¢ TWA: Time Weighted Average
â€¢ vPvB: very Persistent and very Bioaccumulative
â€¢ WHMIS: Workplace Hazardous Materials Information System

16.3 Key literature references and sources for data

â€¢ ECHA C&L Inventory Database
â€¢ ECHA Registration Dossiers
â€¢ NIOSH Pocket Guide to Chemical Hazards
â€¢ ACGIH Threshold Limit Values
â€¢ Manufacturer technical data sheets
â€¢ Scientific literature on component toxicology

16.4 Classification and procedure used to derive the classification for mixtures

Classification derived using bridging principles and calculation methods according to CLP Regulation Annex I. Mixture classification based on concentration limits and additivity formulas for health hazards, and individual component classifications for environmental hazards.

16.5 Full text of hazard statements (H-statements) and precautionary statements (P-statements) referred to under Sections 2 and 3:

â€¢ H241: Heating may cause a fire or explosion
â€¢ H317: May cause an allergic skin reaction
â€¢ H319: Causes serious eye irritation
â€¢ P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
â€¢ P220: Keep away from clothing and other combustible materials
â€¢ P280: Wear protective gloves/protective clothing/eye protection/face protection
â€¢ P302 + P352: IF ON SKIN: Wash with plenty of water
â€¢ P333 + P313: If skin irritation or rash occurs: Get medical advice/attention
â€¢ P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
â€¢ P337 + P313: If eye irritation persists: Get medical advice/attention

16.6 Training advice

Ensure all personnel handling this product receive appropriate training on:

â€¢ Hazard recognition and risk assessment
â€¢ Proper use of personal protective equipment
â€¢ Emergency procedures and first aid
â€¢ Safe handling and storage practices
â€¢ Spill response procedures
â€¢ Organic peroxide safety considerations
â€¢ Applicable regulatory requirements

90-Day Update Commitment: This SDS will be reviewed and updated within 90 days of any significant new hazard, toxicological, or regulatory information becoming available that affects the classification or safe use of this product, as required by WHMIS 2015.

Date of preparation: 25-September-2025
Date of last revision: 25-September-2025
Version: 1.0 (2025 GHS 7&8 Compliant)
Prepared by: Technical Regulatory Department
Reviewed by: Product Safety Department

Legal Compliance Verification: This SDS meets Canadian WHMIS 2015, EU CLP Regulation (EC) 1272/2008, and US OSHA HCS 2012 requirements. All CAS numbers have been verified through official databases. Classifications are based on official ECHA C&L Inventory data and established scientific literature.

Disclaimer: The information in this Safety Data Sheet is based on current knowledge and national and international regulations. It is provided in good faith but no warranty, representation, or guarantee is made as to its accuracy, reliability, or completeness. This information relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. It is the responsibility of the user to ensure safe conditions for handling, storage, use, and disposal of the product.

END OF SAFETY DATA SHEET

This SDS complies with Canadian WHMIS 2015, EU CLP Regulation (EC) 1272/2008, and US OSHA HCS 2012 requirements as updated for 2025 compliance mandates.