

# SAFETY DATA SHEET

Version 4

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Jul-2023

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product Code Included with : PR340 & PR342

**Product Name** 

PURE REFLECTIONS BLUE CREAM HARDENER

Unique Formula Identifier (UFI) Code8XR2-G0QW-5004-YGE8 Other means of identification

Contains Ethanediol, Dibenzoyl Peroxide

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

Recommended Use Curing chemical. For professional use only.

Uses advised against Uses other than recommended use.

### 1.3. Details of the supplier of the safety data sheet

### Made in U.S.A for: ABI (Autobody Brands International)

A division of IAMG/International Autobody Marketing Group - 1505 North Hayden Road, Ste. 111, Scottsdale, AZ 85257, USA 1-87REFINISH https://purereflectionscoatings.com/

**Distributed in Canada by: ABI (Autobody Brands International)** A division of IAMG/International Autobody Marketing Group - 1368 United Blvd., Unit 102, Coquitlam, BC V3K 6Y2, Canada 1-87REFINISH <u>https://purereflectionscoatings.com/</u>

EMERGENCY CHEMTREC (24 hr): 1-800-424-9300 CHEMTREC INTERNATIONAL: (001) 703-527-3887

### For further information, please contact

 E-mail address:
 Info@purereflectionscoatings.com

 Non-Emergency Telephone Number
 +1 (87) REFINISH

### 1.4. Emergency telephone number

24-hour emergency phone number CHEMTREC: 1-800-424-9300 INTERNATIONAL: 1-703-527-3887

24-hour emergency phone number - CHEMTREC: 1-800-424-9300 INTERNATIONAL: 1-703-527-3887				
Europe	112			
Austria	01 406 43 43			
Belgium	070 245 245			
Denmark	+ 45 8212 1212			
Finland	0800 147 111/ 09 471 977			
France	+33 (0)1 45 42 59 59			
Germany	112 / 16117			
Ireland	01 809 2166			
Italy	0382-24444			
Netherlands	+31 (0)88 755 8000			
Norway	22 59 13 00			
Poland	112			

Portugal	+351 800 250 250
Slovenia	112
Spain	+34 91 562 04 20
Sweden	112
Switzerland	145
United Kingdom	111
Bulgaria	+359 2 9154 233
Croatia	+3851 2348 342
Cyprus	1401
Czech Republic	+420 224 919 293/ +420 224 915 402
Estonia	16662/ (+372) 7943 794
Greece	(003) 2107793777
Hungary	+36 80 201 199
Iceland	543 2222
Latvia	+371 67042473
Liechtenstein	01 406 43 43
Lithuania	+370 (85) 2362052
Luxembourg	(+352) 8002 5500
Romania	+40213183606
Slovakia	+421 2 5477 4166
Malta	112

### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008	
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

### 2.2. Label elements

Contains Ethanediol, Dibenzoyl Peroxide



Signal word Warning Hazard statements

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008) P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P273 - Avoid release to the environment.

P280 - Wear protective gloves and eye/face protection.

P312 - Call a POISON CENTER or doctor if you feel unwell.

P321 - Specific treatment (see .? on this label).

P391 - Collect spillage.

53 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

93 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

93 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Unknown aquatic toxicity

Contains 53 % of components with unknown hazards to the aquatic environment.

### 2.3. Other hazards

No information available.

**Endocrine Disruptor Information** 

This product does not contain any known or suspected endocrine disruptors.

### **SECTION 3: Composition/information on ingredients**

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	Weight-%	REACH registration No.	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Dibenzoyl Peroxide 94-36-0	30-50	01-211951147 2-50	202-327-6	Org. Perox. B (H241) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	10	10
Zinc stearate 557-05-1	1 - 5	-	209-151-9	-	-	-	-

### Full text of H- and EUH-phrases: see section 16

#### <u>Acute Toxicity Estimate</u> No information available

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg		Inhalation LC50 - 4 hour - vapor - mg/L	
Dibenzoyl Peroxide 94-36-0	7710	No data available	No data available	No data available	No data available
Zinc stearate 557-05-1	10000	2000	50	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin contact	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).
4.2. Most important symptoms and	effects, both acute and delayed
Symptoms	Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.
4.3. Indication of any immediate me	dical attention and special treatment needed
Note to physicians	May cause sensitization in susceptible persons. Treat symptomatically.

### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
5.2. Special hazards arising from th	e substance or mixture
Specific hazards arising from the chemical	Product is or contains a sensitizer. May cause sensitization by skin contact.
5.3. Advice for firefighters	
Special protective equipment and	Eirofightors about wear calf contained breathing apparatus and full firefighting turnout goal

Special protective equipment and<br/>precautions for fire-fightersFirefighters should wear self-contained breathing apparatus and full firefighting turnout gear.<br/>Use personal protection equipment.

### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.
6.2. Environmental precautions	
Environmental precautions	See Section 12 for additional Ecological Information.
6.3. Methods and material for conta	inment and cleaning up
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
6.4. Reference to other sections	
Reference to other sections	See section 8 for more information. See section 13 for more information.

### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Advice on safe handling	Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.
7.2. Conditions for safe storage, inc	cluding any incompatibilities
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place.
7.3. Specific end use(s)	

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Dibenzoyl Peroxide 94-36-0	-	TWA: 5 mg/m <sup>3</sup> STEL 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	-	TWA: 5 mg/m <sup>3</sup>
Zinc stearate 557-05-1	-	-	TWA: 10 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Dibenzoyl Peroxide 94-36-0	-	TWA: 5 mg/m <sup>3</sup> Ceiling: 10 mg/m <sup>3</sup> Sensitizer	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>

Zinc stearate		-	-	-		-	TWA: 10 mg/m <sup>3</sup>
557-05-1							
Chemical name		France	Germany TRGS	Germany DFG	Gi	eece	Hungary
Dibenzoyl Peroxide 94-36-0	TWA: 5 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> Ceiling / Peak: 5 mg/m <sup>3</sup>	TWA:	5 mg/m³	TWA: 5 mg/m <sup>3</sup> STEL: 5 mg/m <sup>3</sup> b*
Zinc stearate 557-05-1	TW	4: 10 mg/m <sup>3</sup>	-	-		-	-
Chemical name		Ireland	Italy MDLPS	Italy AIDII	La	atvia	Lithuania
Dibenzoyl Peroxide 94-36-0		'A: 5 mg/m <sup>3</sup> 'L: 15 mg/m <sup>3</sup>	-	TWA: 5 mg/m <sup>3</sup>		-	-
Zinc stearate 557-05-1	TW STE STE	A: 10 mg/m <sup>3</sup> /A: 4 mg/m <sup>3</sup> /L: 12 mg/m <sup>3</sup> /L: 20 mg/m <sup>3</sup> /L: 30 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>		-	TWA: 5 mg/m³
Chemical name	Lu	xembourg	Malta	Netherlands	No	orway	Poland
Dibenzoyl Peroxide 94-36-0		-	-	-		5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Chemical name		Portugal	Romania	Slovakia	Slo	venia	Spain
Dibenzoyl Peroxide 94-36-0	τw	'A: 5 mg/m <sup>3</sup>	-	TWA: 5 mg/m <sup>3</sup>		5 mg/m <sup>3</sup> EL mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
Zinc stearate 557-05-1	TW	4: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-		-	TWA: 10 mg/m <sup>3</sup>
Chemical name		SI	weden	Switzerland		Uni	ited Kingdom
Dibenzoyl Peroxide 94-36-0	Dibenzoyl Peroxide 94-36-0		-	TWA: 5 mg/m <sup>3</sup> STEL: 5 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>	
Zinc stearate 557-05-1		NGV	: 5 mg/m³	TWA: 3 mg/m <sup>3</sup> TWA: 10 mg/ TWA: 4 mg/r STEL: 20 mg/ STEL: 12 mg/		VA: 4 mg/m <sup>3</sup> EL: 20 mg/m <sup>3</sup>	

### **Biological occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

### 8.2. Exposure controls

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

### Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

Hand protection Impervious gloves. Wear suitable gloves. Gloves must conform to standard EN 374.

gloves					
Duration of contact	PPE - Glove material	Glove thickness	Break through time		
	Butyl rubber	0.5 mm	480 minutes		

Skin and body protection Wear suitable protective clothing.

Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.
Environmental exposure controls	No information available.

### **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state	Liquid	
Appearance	Blue paste	
Color	blue	
Odor	Ester	
Odor threshold	No information available	
Property	<u>Values</u>	Remarks • Method
Melting point / freezing point	0 °C	None known
Boiling point / boiling range	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Flash point	76.1 °C	None known
Autoignition temperature	No data available	None known
Decomposition temperature		
pH	4-5 @ 20 °C	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No Data Available	None known
Dynamic viscosity	No data available	None known
Water solubility	Insoluble	
Solubility(ies)	No Data Available	None known
Partition coefficient	No Data Available	None known
Vapor pressure	No Data Available	None known
Relative density	No data available	None known
Bulk density	No data available	
Density	1.16-1.24 g/cm³ (25 °C)	
Vapor density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
VOC content	8.9%	None known

### 9.2. Other information

9.2.1. Information with regard to physical hazard classes Not applicable SADT (°C) 50 °C UN Recomme

50 °C UN Recommendations on the Transport of Dangerous Goods, Model Regulations Manual of Tests and Criteria Test H.1: United States SADT test

**9.2.2.** Other safety characteristics No information available

### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Reactivity	Stable.		
10.2. Chemical stability			
Stability	Stable under normal conditions.		
Explosion data Sensitivity to mechanical impact Sensitivity to static discharge	None. May be ignited by friction, heat, sparks or flames.		
10.3. Possibility of hazardous reaction	10.3. Possibility of hazardous reactions		
Possibility of hazardous reactions	None under normal processing.		
10.4. Conditions to avoid			
Conditions to avoid	Heat, flames and sparks. Excessive heat.		
10.5. Incompatible materials			
Incompatible materials	Strong oxidizing agents, strong acids, and strong bases, Heavy metals.		
10.6. Hazardous decomposition proc	ducts		

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating and toxic gases and vapors. May emit toxic fumes under fire conditions.

### **SECTION 11: Toxicological information**

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Information on likely routes of exposure

Product Information		
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.	
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.	
Skin contact	May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.	
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.	
Symptoms related to the physical, chemical and toxicological characteristics		
Symptoms	Itching. Rashes. Hives. May cause redness and tearing of the eyes.	
Numerical measures of toxicity		
Acute toxicity		

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	2,449.40 mg/kg
ATEmix (dermal)	10,600.00 mg/kg
ATEmix (inhalation-dust/mist)	3.7538 mg/l

53 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
93 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
93 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Dibenzoyl Peroxide	= > 2,000 mg/kg	No data available.	= > 24.3 mg/l
Zinc stearate	> 10 g/kg (Rat)	> 2000 mg/kg (Rabbit)	> 200 mg/L (Rat)1 h

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	May cause skin irritation.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes serious eye irritation.
Respiratory or skin sensitization	May cause sensitization by skin contact.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.
11.2. Information on other hazards	<u>.</u>
11.2.1. Endocrine disrupting properties	
Endocrine disrupting properties	No information available.
11.2.2. Other information	
Other adverse effects	No information available.
	SECTION 12: Ecological information

12.1. Toxicity

### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

#### Unknown aquatic toxicity

Contains 53 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Dibenzoyl Peroxide	-	0.0602: 96 h	-	-
		Oncorhynchus mykiss		
		mg/L LC50 semi-static		

### 12.2. Persistence and degradability

Persistence and degradability No information available.

#### 12.3. Bioaccumulative potential

**Bioaccumulation** 

There is no data for this product.

#### Component Information

Chemical name	Partition coefficient
Dibenzoyl Peroxide	log Pow: 3.2 (20 °C)
Zinc stearate	1.2

### 12.4. Mobility in soil

Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

Chemical name	PBT and vPvB assessment
Dibenzoyl Peroxide	The substance is not PBT / vPvB
Zinc stearate	The substance is not PBT / vPvB

### 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

### 12.7. Other adverse effects

No information available.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

### **SECTION 14: Transport information**

Note:

This information is not intended to convey all specific regulatory information relating to this product. Transportation classifications may vary by container volume and may be influenced

IATA14.1UN number or ID number14.2Proper shipping name14.3Transport hazard class(es)14.4Packing group14.5Environmental hazard14.6Special precautions for user	organization to follow all applicable laws, regulations and rules relating to the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. UN3108 ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE) 5.2 Not regulated Yes
IMDG14.1UN number or ID number14.2Proper shipping name14.3Transport hazard class(es)14.4Packing Group14.5Environmental hazard14.6Special precautions for user EmS-No14.7Maritime transport in bulk according to IMO instruments	UN3108 ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE) 5.2 Not regulated Yes F-J, S-R
RID14.1UN/ID No14.2Proper shipping name14.3Transport hazard class(es)14.4Packing Group14.5Environmental hazard14.6Special precautions for userSpecial ProvisionsClassification code	UN3108 ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE) 5.2 Not regulated Yes No information available. P1
ADR 14.1 UN number or ID number 14.2 Proper shipping name 14.3 Transport hazard class(es) 14.4 Packing Group 14.5 Environmental hazard 14.6 Special precautions for user Classification code Tunnel restriction code	UN3108 ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE) 5.2 Not regulated Yes P1 (D)

by regional or country variations in regulations. It is the responsibility of the transporting

**SECTION 15: Regulatory information** 

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

France

Occupational Illnesses (R-463-3, France)

Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH	Substance subject to authorization per
	Annex XVII	REACH Annex XIV
Dibenzoyl Peroxide - 94-36-0	75.	-

### **Persistent Organic Pollutants**

Not applicable

### Dangerous substance category per Seveso Directive (2012/18/EU)

E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1 P6b - SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES

### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories	
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

#### Legend:

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

### 15.2. Chemical safety assessment

**Chemical Safety Report** 

No information available

### **SECTION 16: Other information**

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H241 - Heating may cause a fire or explosion

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

### Legend

SVHC: Substances of Very High Concern for Authorization: PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWĂ	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Classification procedure				
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used			
Acute oral toxicity	Calculation method			
Acute dermal toxicity	Calculation method			
Acute inhalation toxicity - gas	Calculation method			
Acute inhalation toxicity - vapor	Calculation method			
Acute inhalation toxicity - dust/mist	Calculation method			
Skin corrosion/irritation	Calculation method			
Serious eye damage/eye irritation	Calculation method			
Respiratory sensitization	Calculation method			
Mutagenicity	Calculation method			
Carcinogenicity	Calculation method			
Reproductive toxicity	Calculation method			
STOT - single exposure	Calculation method			
STOT - repeated exposure	Calculation method			
Acute aquatic toxicity	Calculation method			
Chronic aquatic toxicity	Calculation method			
Aspiration hazard	Calculation method			

#### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA) EPA (Environmental Protection Agency) Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) Japan GHS Classification Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) National Toxicology Program (NTP) New Zealand's Chemical Classification and Information Database (CCID) Organization for Economic Co-operation and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development High Production Volume Chemicals Program Organization for Economic Co-operation and Development Screening Information Data Set World Health Organization

Revision Date 28-Jul-2023

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

#### End of Safety Data Sheet

#### <u>EU SDS version information - EGHS</u> UL release: GHS Revision 7 2023 Q1

### Europe

### Partial process, including GHS Wizard, NO TW

Full text of H-Statements referred to under<br/>section 3H241 - Heating may cause a fire or explosion H302 - Harmful if swallowed H317 - May cause an<br/>allergic skin reaction H319 - Causes serious eye irritation H400 - Very toxic to aquatic life H410 - Very<br/>toxic to aquatic life with long lasting effects

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)
Org. Perox. B (H241) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	

VOC content