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SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

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

1.1 Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
762165	TUBE RNA PLH 16X100 2.5 PLBLCE CLR	PAXgene® Blood RNA Tube

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

Identified uses: Scientific and industrial laboratory use. For In Vitro Diagnostic Use.

Uses advised against: For External Use Only

1.3 Details of the supplier of the safety data sheet

Manufacturer

BD, Integrated Diagnostic Solutions
Belliver Industrial Estate
PL6 7BP Plymouth, Devon
United Kingdom

Telephone: 44 0 1752 701281

Fax: 44 1752 788308

Contact Person: Safety and Environmental Officer

E-mail: productcomplaints@bd.com

1.4 Emergency telephone number: CHEMTREC +001-703-527-3887 (International)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Skin irritation	Category 2	H315: Causes skin irritation.
Serious eye damage	Category 1	H318: Causes serious eye damage.
Skin sensitizer	Category 1	H317: May cause an allergic skin reaction.

Environmental Hazards

Chronic hazards to the aquatic environment	Category 2	H411: Toxic to aquatic life with long lasting effects.
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2.2 Label Elements

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Contains: Tetradecyltrimethylammonium oxalate



Signal Word: Danger

Hazard Statement(s): H315: Causes skin irritation.
H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention: P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P264: Wash face, hands and any exposed skin thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor/ physician.
P391: Collect spillage.

Disposal: P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

2.3 Other hazards

Endocrine Disruption-Toxicity

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Endocrine Disruption-ecotoxicity

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Tetradecyltrimethylammonium oxalate	3 - <5%	154858-16-9		No data available.	No data available.	
(+)-Tartaric acid	1 - <5%	87-69-4		No data available.	No data available.	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

This substance is listed as SVHC.

Classification

Chemical name	Classification	Notes
Tetradecyltrimethylammonium oxalate	Classification: Acute Tox.: 4: H302; Skin Corr.: 1B: H314; Skin Sens.: 1: H317; Aquatic Acute: 1: H400; Aquatic Chronic: 1: H410; Supplemental label information: None known. Specific concentration limit: None known. Acute toxicity, oral: None known. Acute toxicity, inhalation: None known. Acute toxicity, dermal: None known.	No data available.
(+)-Tartaric acid	Classification: Eye Irrit.: 2: H319; Supplemental label information: None known. Specific concentration limit: None known. Acute toxicity, oral: LD 84: 2,800 mg/kg Acute toxicity, inhalation: None known. Acute toxicity, dermal: LD: 800 mg/kg	No data available.

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures



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General: Get medical attention if symptoms occur. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction.

4.1 Description of first aid measures

Inhalation: Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention if symptoms persist.

Skin Contact: Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.

Ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed: Symptoms may be delayed.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: May cause an allergic skin reaction. Causes skin irritation. Causes serious eye damage.

Treatment: Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

SECTION 5: Firefighting measures

General Fire Hazards: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water to keep fire exposed containers cool and disperse vapors.

5.1 Extinguishing media
Suitable extinguishing media: Water spray, fog, CO2, dry chemical, or alcohol resistant foam.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture: Fire or excessive heat may produce hazardous decomposition products.

5.3 Advice for firefighters
Special fire fighting procedures: No unusual fire or explosion hazards noted.



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Special protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Contact local authorities in case of spillage to drain/aquatic environment.
- 6.1.1 For non-emergency personnel:** No data available.
- 6.1.2 For emergency responders:** No data available.
- 6.2 Environmental Precautions:** Avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up:** Stop leak if possible without any risk. Absorb spillage with suitable absorbent material. Prevent runoff from entering drains, sewers, or streams. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.
- 6.4 Reference to other sections:** No data available.

SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Do not get in eyes, on skin, on clothing. Wash promptly with soap and water if skin becomes contaminated. When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store in tightly closed original container in a dry, cool and well-ventilated place.
- Storage Temperature:** No data available.
- 7.3 Specific end use(s):** Reserved for industrial and professional use. Read label before use.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters Occupational Exposure Limits

None of the components have assigned exposure limits.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

DNEL-Values

Remarks: DNEL-Values

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Critical component	Type	Route of Exposure	Health Warnings	Remarks
(+) -Tartaric acid	General population	Dermal	Systemic, long-term; 1.5 mg/kg body weight/day	Developmental toxicity
	Workers	Dermal	Systemic, long-term; 2.9 mg/kg body weight/day	Developmental toxicity
	General population	Oral	Systemic, long-term; 8.1 mg/kg body weight/day	Developmental toxicity
	General population	Eyes	Local effect;	Low hazard (no threshold derived)
	Workers	Eyes	Local effect;	Low hazard (no threshold derived)

PNEC-Values

Remarks: PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
(+) -Tartaric acid	Aquatic (freshwater)	0.312 mg/l	
	Aquatic (intermit. releases)	0.514 mg/l	
	Soil	0.045 mg/kg	
	Aquatic (marine water)	0.312 mg/l	
	Sewage treatment plant	10 mg/l	
	Sediment (marine water)	1.141 mg/kg	
	Sediment (freshwater)	1.141 mg/kg	

8.2 Exposure controls

Appropriate Engineering Controls:

Adequate ventilation should be provided whenever the material is heated or mists are generated.

Individual protection measures, such as personal protective equipment

Eye/face protection:

Wear safety glasses with side shields (or goggles).

Hand Protection:

Material: Use suitable protective gloves if risk of skin contact.



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- Skin and Body Protection:** Wear appropriate clothing to prevent repeated or prolonged skin contact.
- Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
- Hygiene measures:** Do not eat, drink or smoke when using the product. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Avoid contact with skin.
- Environmental Controls:** Data available upon request.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Liquid
Form:	Liquid
Color:	Clear
Odor:	Odorless
Odor Threshold:	No data available.
Freezing point:	Not applicable
Boiling Point:	No data available.
Flammability:	Not applicable
Upper/lower limit on flammability or explosive limits	
Explosive limit - upper:	Not applicable
Explosive limit - lower:	Not applicable
Flash Point:	Not applicable
Self Ignition Temperature:	Not determined.
Decomposition Temperature:	Not applicable
pH:	Not applicable
Viscosity	
Dynamic viscosity:	Not applicable
Kinematic viscosity:	No data available.
Flow Time:	Not applicable
Solubility(ies)	
Solubility in Water:	Not applicable
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable
Vapor pressure:	Not applicable
Relative density:	Not applicable
Density:	Not applicable
Bulk density:	Not applicable
Vapor density (air=1):	Not applicable



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Particle characteristics

Particle Size:	Not applicable
Particle Size Distribution:	Not applicable
Specific surface area:	Not applicable
Surface charge/Zeta potential:	Not applicable
Assessment:	Not applicable
Shape:	Not applicable
Crystallinity:	Not applicable
Surface treatment:	Not applicable

9.2 Other information

VOC Content:	EC Directive 2004/42: 33.46 g/l ~3.35 % (calculated)
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SECTION 10: Stability and reactivity

10.1 Reactivity:	No data available.
10.2 Chemical Stability:	No data available.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	Avoid exposure to high temperatures or direct sunlight.
10.5 Incompatible Materials:	Strong oxidizing agents.
10.6 Hazardous Decomposition Products:	By heating and fire, harmful vapors/gases may be formed.

SECTION 11: Toxicological information

General information:	May cause allergic skin reaction based on human experience. Irritating.
Information on likely routes of exposure	
Inhalation:	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin Contact:	Prolonged or repeated contact may cause skin sensitization in susceptible individuals. Causes skin irritation.
Eye contact:	Causes serious eye damage.
Ingestion:	Ingestion may cause irritation and malaise.



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11.1 Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 7,669.42 mg/kg
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid LD 84 (Rat): 2,800 mg/kg
Experimental result, Weight of Evidence study LD 0 (Rabbit): 3,910 mg/kg
Experimental result, Weight of Evidence study LD 5 (Mouse): 3,606 mg/kg
Experimental result, Supporting study LD (Rabbit): 5,000 mg/kg
Experimental result, Weight of Evidence study LD 50 (Mouse): 4,109 mg/kg
Experimental result, Supporting study LD 50 (Mouse): 4,109 mg/kg
Experimental result, Weight of Evidence study LD 50 (Rat): > 5,000 mg/kg
Experimental result, Weight of Evidence study LD 0 (Rabbit): > 3,500 - < 4,000 mg/kg
Experimental result, Weight of Evidence study LD (Dog): 5 g/kg
Experimental result, Weight of Evidence study LD 50 (Rat): 920 mg/kg
Experimental result, Supporting study LD 100 (Dog): 5,000 mg/kg
Experimental result, Supporting study LD 50 (Rat): > 5,000 mg/kg
Experimental result, Supporting study LD 50 (Rat): 2,000 - 5,000 mg/kg
Experimental result, Key study LD 16 (Rat): 310 mg/kg
Experimental result, Weight of Evidence study LD 50 (Rat): > 2.73 g/kg
Experimental result, Weight of Evidence study LD (Cat): 10,000 mg/kg
Experimental result, Weight of Evidence study LD (Cat): 16,000 mg/kg
Experimental result, Weight of Evidence study LD 5 (Mouse): 3,606 mg/kg
Experimental result, Weight of Evidence study LD (Rabbit): 5,000 mg/kg
Experimental result, Weight of Evidence study LD 50 (Rat): 920 mg/kg
Experimental result, Weight of Evidence study LD 50 (Rabbit): 5,290 mg/kg
Experimental result, Weight of Evidence study LD 50 (Rat): 920 mg/kg
Experimental result, Weight of Evidence study LD 50 (Rat): 1,290 mg/kg
Experimental result, Weight of Evidence study

Dermal

Product: Not classified for acute toxicity based on available data.

Components:
Tetradecyltrimethylammonium oxalate No data available.

(+)-Tartaric acid LD (Rabbit): 800 mg/kg
Experimental result, Weight of Evidence study LD (Cat): 2,000 mg/kg
Experimental result, Weight of Evidence study LD (Rabbit): 1,000 mg/kg
Experimental result, Weight of Evidence study LD (Rabbit): 400 mg/kg
Experimental result, Weight of Evidence study LD 50 (Rat): > 2,000 mg/kg
Experimental result, Key study LD (Rabbit): 1,200 - 1,500 mg/kg
Experimental result, Weight of Evidence study

Inhalation

Product: Not classified for acute toxicity based on available data.



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Components:

Tetradecyltrimethylammonium oxalate No data available.

(+)-Tartaric acid No data available.

Repeated dose toxicity

Product: No data available.

Components:

Tetradecyltrimethylammonium oxalate No data available.

(+)-Tartaric acid NOAEL (Rat(Female, Male), Oral, 2 yr): > 12,000 mg/kg Oral Experimental result, Supporting study
NOAEL (Rat(female), Oral, 104 Weeks): 3,200 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Key study
NOAEL (Rat(female), Oral, 104 Weeks): 3,200 mg/kg Oral Experimental result, Weight of Evidence study
LOAEL (Rat(Female, Male), Oral, 2 - 18 Weeks): 0.5 %(m) Oral Experimental result, Weight of Evidence study
NOAEL (Rat(Female, Male), Oral, 2 - 18 Weeks): 0.1 %(m) Oral Experimental result, Weight of Evidence study

Skin Corrosion/Irritation

Product: No data available.

Components:

Tetradecyltrimethylammonium oxalate No data available.

(+)-Tartaric acid medical monitoring (Human): Irritating
In vitro (Human, Reconstructed Epidermis (EST1000)): Not irritant
in vivo (Rabbit): Not irritant
In vitro (Human, Reconstructed Epidermis (EST1000)): Not irritant

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Tetradecyltrimethylammonium oxalate No data available.

(+)-Tartaric acid Highly irritating In vitro Bovine: Expert judgment

Respiratory or Skin Sensitization

Product: No data available.

Components:

Tetradecyltrimethylammonium oxalate No data available.

(+)-Tartaric acid No data available.

Carcinogenicity

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Product: No data available.
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid No data available.

Germ Cell Mutagenicity

In vitro
Product: No data available.
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid No data available.

In vivo
Product: No data available.
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid No data available.

Reproductive toxicity

Product: No data available.
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid No data available.

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Aspiration Hazard

Product:	No data available.
Components:	
Tetradecyltrimethylammonium oxalate	No data available.
(+)-Tartaric acid	No data available.

11.2 Information on health hazards

Other hazards

Product:	No data available.
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Endocrine Disruption

Product:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.;
Components:	
Tetradecyltrimethylammonium oxalate	No data available.
(+)-Tartaric acid	No data available.

SECTION 12: Ecological information

12.1 Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
Tetradecyltrimethylammonium oxalate	No data available.
(+)-Tartaric acid	LC 50 (Various, 96 h): 884 g/l QSAR QSAR, Supporting study LC 50 (Various, 96 h): 506 g/l QSAR QSAR, Supporting study LC 50 (Various, 96 h): > 100 mg/l QSAR QSAR, Weight of Evidence study LC 50 (96 h): 1,385.96 mg/l QSAR QSAR, Weight of Evidence study LC 50 (Danio rerio, 96 h): > 100 mg/l Experimental result, Key study

Aquatic Invertebrates

Product:	No data available.
Components:	
Tetradecyltrimethylammonium oxalate	No data available.
(+)-Tartaric acid	LC 50 (Mysid shrimp, 96 h): 4,300 g/l QSAR QSAR, Supporting study EC 50 (Daphnia magna, 48 h): 93.313 mg/l Experimental result, Key study ED 0 (Daphnia magna, 32 h): +/- +/- 135 mg/l Experimental result, Weight of Evidence study

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LC 50 (Daphnia, 48 h): 183 g/l QSAR QSAR, Supporting study
LC 50 (Daphnia magna, 48 h): 538.36 mg/l QSAR QSAR, Weight of Evidence study

Toxicity to Aquatic Plants

Product: No data available.
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid No data available.

Toxicity to microorganisms

Product: No data available.
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid LC 50 (Various, 14 d): 488 g/l QSAR QSAR, Supporting study

Aquatic Invertebrates

Product: No data available.
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid No data available.

Toxicity to Aquatic Plants

Product: No data available.
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid No data available.

Toxicity to microorganisms

Product: No data available.
Components:
Tetradecyltrimethylammonium oxalate No data available.
(+)-Tartaric acid No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

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Components:

Tetradecyltrimethylammonium oxalate	No data available.
(+)-Tartaric acid	100 % (14 d) Detected in water. Experimental result, Weight of Evidence study
	76 % (14 d) Detected in water. Experimental result, Weight of Evidence study
	100 % (14 d) Detected in water. Experimental result, Weight of Evidence study
	75 % (14 d) Detected in water. Experimental result, Weight of Evidence study
	92 % (14 d) Detected in water. Experimental result, Weight of Evidence study

BOD/COD Ratio

Product: No data available.

Components:

Tetradecyltrimethylammonium oxalate	No data available.
(+)-Tartaric acid	No data available.

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:

Tetradecyltrimethylammonium oxalate	No data available.
(+)-Tartaric acid	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Components:

Tetradecyltrimethylammonium oxalate	No data available.
(+)-Tartaric acid	Log Kow: -2.02 - -0.76 No Estimated by calculation, Weight of Evidence study

12.4 Mobility in soil:

Product No data available.

Components:

Tetradecyltrimethylamm onium oxalate	No data available.
(+)-Tartaric acid	No data available.

12.5 Results of PBT and vPvB assessment:

Product No data available.

Components:

Tetradecyltrimethylamm onium oxalate	No data available.	No data available.
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(+)-Tartaric acid No data available. No data available.

12.6 Endocrine Disruption:

Product: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Components:
Tetradecyltrimethylamm No data available.
onium oxalate
(+)-Tartaric acid No data available.

12.7 Other adverse effects:

Other hazards
Product: No data available.
Components:
Tetradecyltrimethylam No data available.
monium oxalate
(+)-Tartaric acid No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose of waste and residues in accordance with local authority requirements.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Since emptied containers retain product residue, follow label warnings even after container is emptied.

Contaminated Packaging: No data available.

SECTION 14: Transport information

ADR

14.1 UN Number: Not regulated.
14.2 UN Proper Shipping Name: Not regulated.
14.3 Transport Hazard Class(es)
Class: Not regulated.
Label(s): Not regulated.
Hazard No. (ADR): Not regulated.
Tunnel restriction code: Not regulated.
14.4 Packing Group: Not regulated.
Limited quantity Not regulated.
Excepted quantity Not regulated.



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14.5 Environmental Hazards Not regulated.
14.6 Special precautions for user: Not regulated.

ADN

14.1 UN Number: Not regulated.
14.2 UN Proper Shipping Name: Not regulated.
14.3 Transport Hazard Class(es)
Class: Not regulated.
Label(s): Not regulated.
Hazard No. (ADR): Not regulated.
Tunnel restriction code: Not regulated.
14.4 Packing Group: Not regulated.
Limited quantity Not regulated.
Excepted quantity Not regulated.
14.5 Special precautions for user: Not regulated.

RID

14.1 UN Number: Not regulated.
14.2 UN Proper Shipping Name: Not regulated.
14.3 Transport Hazard Class(es)
Class: Not regulated.
Label(s): Not regulated.
Hazard No. (ADR): Not regulated.
Tunnel restriction code: Not regulated.
14.4 Packing Group: Not regulated.
Limited quantity Not regulated.
Excepted quantity Not regulated.
14.5 Environmental Hazards Not regulated.
14.6 Special precautions for user: Not regulated.

IMDG

14.1 UN Number: Not regulated.
14.2 UN Proper Shipping Name: Not regulated.
14.3 Transport Hazard Class(es)
Class: Not regulated.
Label(s): Not regulated.
Hazard No. (ADR): Not regulated.
Tunnel restriction code: Not regulated.
14.4 Packing Group: Not regulated.
Limited quantity Not regulated.
Excepted quantity Not regulated.
14.5 Environmental Hazards Not regulated.
14.6 Special precautions for user: Not regulated.

IATA

14.1 UN Number: Not regulated.
14.2 UN Proper Shipping Name: Not regulated.
14.3 Transport Hazard Class(es)
Class: Not regulated.
Label(s): Not regulated.

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Hazard No. (ADR):	Not regulated.
Tunnel restriction code:	Not regulated.
14.4 Packing Group:	Not regulated.
Limited quantity	Not regulated.
Excepted quantity	Not regulated.
14.5 Environmental Hazards	Not regulated.
14.6 Special precautions for user:	Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable

SECTION 15: Regulatory information

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

EU Regulations

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: none

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances: none

EU. REACH Annex XIV, Substances Subject to Authorization: none

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: none

EU. Directive 2010/75/EU on Industrial Emissions (IPPC), Annex II, L 334/17: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended: none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use: none

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances,

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Annex I:

Classification	Lower-tier Requirements	Upper-tier Requirements
E2. Hazardous to the aquatic environment	200 t	500 t

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:
none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:
none

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

International regulations

Montreal protocol
Not applicable

Stockholm convention
Not applicable

Rotterdam convention
Not applicable

Kyoto protocol
Not applicable

SECTION 16: Other information

Abbreviations and acronyms:
No data available.

Key literature references and sources for data: No data available.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 as amended.	Classification procedure
Skin irritation, Category 2	Calculation method
Serious eye damage, Category 1	On basis of test data
Skin sensitizer, Category 1	On basis of test data
Chronic hazards to the aquatic environment, Category 2	On basis of test data

Wording of the H-statements in section 2 and 3

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.



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H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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.

Training information: No data available.

Classification according to Regulation (EC) No 1272/2008 as amended.

Skin Irrit. 2, H315
Eye Dam. 1, H318
Skin Sens. 1, H317
Aquatic Chronic 2, H411

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