SAFETY DATA SHEET

This Safety Data Sheet (SDS) was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 (in particular as amended by Commission Regulation (EU) 2020/878 with respect to SDSs) and Regulation (EC) No. 1272/2008 (CLP)

Issuing Date: 09-May-2022 **Revision Date:** 09-May-2022 **Revision Number** 1

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

1.1. Product identifier

Product Identifier C-91894976-002_PGP_CLPR7_EUR
Product Name Viakal Professional Disinfecting Limescale Remover Spray
Product Form Mixture

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

Recommended use Intended for general public
Uses advised against No information available
Main user category SU 22 - Professional uses
Product category Specialty Cleaners Spray
Use category PC8 - Biocidal Products (e.g. disinfectants, pest control)

1.3. Details of the supplier of the safety data sheet

Supplier	Manufacturer
Procter & Gamble UK Brooklands PGP, Weybridge, Surrey, KT13 0XP, UK Tel: 01932 896000 Fax: 01932 896200 P&G DCE bvba/sprl-Belgium Dist. Div., Temselaan 100, B-1853 Strombeek-Bever, Belgium (IE) 1800 535 119	P&G Gattatico Plant Via dell'Industria 31, 42043 Gattatico, Italy Tel: +39-0522-471-1 Fax: +39-0522-471-201

For further information, please contact
E-mail address customerservice@pgprof.com

1.4. Emergency telephone number

Emergency Telephone (UK) Emergency Tel: 0800 328 8304 (IRL) Emergency Tel: 1800 509 497

(IRL) Poisons information: for information or to report a poisoning incident contact The National Poisons Information Centre 01 8092166 (8.00 a.m. to 10.00 p.m. 7 days a week)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Corrosive to metals	Category 1 - (H290)

2.2. Label elements

Signal word
Danger

Hazard statements

H315 - Causes skin irritation
H318 - Causes serious eye damage
H290 - May be corrosive to metals

2.3. Other hazards

No information available

Endocrine Disruptor Information There are no substances contained at or above the regulated value for declaration of >0.1% that fall under the definition of confirmed endocrine disruptors of any EU regulation.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	CAS No	Weight-%	REACH registration number	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Formic Acid	64-18-6	1 - 5	01-2119491174-37	200-579-1	Acute Tox. 3 (Inhalation)(H331) Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318) Flam. Liq. 3(H226) Skin Corr. 1A(H314)	Eye Irrit. 2 :: 2%<=C<10% Flam. Liq. 3 :: 85%<=C<100% Skin Corr. 1A :: 90%>=C?% Skin Corr. 1B :: 10%<=C90% Skin Irrit. 2 :: 2%<=C<10%	-	-
Deceth-n	26183-52-8	1 - 5	No data available	500-046-6	Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318)	-	-	-

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

Acute Toxicity Estimate
No information 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. Immediate medical attention is required.

Inhalation IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. (Call a physician if symptoms occur).

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Skin contact IF ON SKIN: Wash with plenty of soap and water. Get medical attention if symptoms occur.

	Take off contaminated clothing and wash before reuse. Discontinue use of product.
Ingestion	IF SWALLOWED:. Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.
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	Coughing and/ or wheezing. Redness. Swelling of tissue. Itching. Dizziness. Sneezing. Blurred vision. Dryness. Pain. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Excessive secretion. Shortness of breath. Headache.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical. Alcohol resistant foam. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	None in particular.

5.3. Advice for firefighters

Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.
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 containment and cleaning up

Methods for containment	Scoop absorbed substance into closing containers.
Methods for cleaning up	Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Small quantities of liquid spill:. Large Spills:. contain released substance, pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.
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	Avoid contact with eyes. Avoid contact with skin. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.
General hygiene considerations	Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep/store only in original container. Keep tightly closed in a dry and cool 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
Formic Acid	TWA: 5 ppm TWA: 9 mg/m³	TWA: 5 ppm TWA: 9 mg/m³ STEL 5 ppm STEL 9 mg/m³ Ceiling: 5 ppm Ceiling: 9 mg/m³	TWA: 5 ppm TWA: 9.5 mg/m³ STEL: 10 ppm STEL: 19 mg/m³	TWA: 5 ppm TWA: 9.0 mg/m³	TWA: 5 ppm TWA: 9 mg/m³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Formic Acid	TWA: 5 ppm TWA: 9 mg/m³	TWA: 9 mg/m³ Ceiling: 18 mg/m³	TWA: 5 ppm TWA: 9 mg/m³	TWA: 5 ppm TWA: 9 mg/m³	TWA: 3 ppm TWA: 5 mg/m³ STEL: 10 ppm STEL: 19 mg/m³
Chemical name	France	Germany	Germany DFG	Greece	Hungary
Formic Acid	TWA: 5 ppm TWA: 9 mg/m³	TWA: 5 ppm TWA: 9.5 mg/m³	TWA: 5 ppm TWA: 9.5 mg/m³ Peak: 10 ppm Peak: 19 mg/m³	TWA: 5 ppm TWA: 9 mg/m³	TWA: 9 mg/m³
Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
Formic Acid	TWA: 5 ppm TWA: 9 mg/m³ STEL: 15 ppm STEL: 27 mg/m³	TWA: 5 ppm TWA: 9 mg/m³	TWA: 5 ppm TWA: 9.4 mg/m³ STEL: 10 ppm STEL: 18.8 mg/m³	TWA: 5 ppm TWA: 9 mg/m³	TWA: 5 ppm TWA: 9 mg/m³
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Formic Acid	TWA: 5 ppm TWA: 9 mg/m³	TWA: 5 ppm TWA: 9 mg/m³	STEL: 5 mg/m³	TWA: 5 ppm TWA: 9 mg/m³ STEL: 10 ppm STEL: 18 mg/m³	STEL: 15 mg/m³ TWA: 5 mg/m³
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Formic Acid	TWA: 5 ppm TWA: 9 mg/m³ STEL: 10 ppm	TWA: 5 ppm TWA: 9 mg/m³	TWA: 5 ppm TWA: 9.0 mg/m³	TWA: 5 ppm TWA: 9 mg/m³ STEL: STEL ppm STEL: STEL mg/m³	TWA: 5 ppm TWA: 9 mg/m³
Chemical name	Sweden	Switzerland	United Kingdom	Israel - Occupational Exposure Limits - TWAs	Turkey
Formic Acid	NGV: 3 ppm NGV: 5 mg/m³ Vägledande KGV: 5 ppm Vägledande KGV: 9 mg/m³	TWA: 5 ppm TWA: 9.5 mg/m³ STEL: 10 ppm STEL: 19 mg/m³	TWA: 5 ppm TWA: 9.6 mg/m³ STEL: 15 ppm STEL: 28.8 mg/m³	5ppmTWA	5ppmTWA 9mg/m³TWA

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

Derived No Effect Level (DNEL) Long term.

Chemical name	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Formic Acid	-	9.5 mg/m³	-	9.5 mg/m³

Acetic acid	-	-	-	25 mg/m³

Chemical name	Consumer - oral, long-term - local	Consumer - inhalative, long-term - local	Consumer - dermal, long-term - local
Formic Acid	-	30 mg/m³	-
Acetic acid	-	25 mg/m³	-

Chemical name	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Formic Acid	-	3 mg/m³	-

Derived No Effect Level (DNEL) Short term.

Chemical name	Worker - dermal, short-term - systemic	Worker - inhalative, short-term - systemic	Worker - dermal, short-term - local	Worker - inhalative, short-term - local
Formic Acid	-	-	-	19 mg/m³
Acetic acid	-	-	-	25 mg/m³

Chemical name	Consumer - inhalative, short-term - local	Consumer - dermal, short-term - local
Formic Acid	9.5 mg/m³	-
Acetic acid	25 mg/m³	-

Predicted No Effect Concentration (PNEC) No information available.

Chemical name	Fresh Water	Marine water	Intermittent release
Formic Acid	2 mg/L	0.2 mg/L	1 mg/L
Acetic acid	3.058 mg/L	0.306 mg/L	30.58 mg/L

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment plant	Soil	Air	Oral
Formic Acid	13.4 mg/kg dwt	1.34 mg/kg dwt	7.2 mg/L	1.5 mg/kg dwt	-	-
Acetic acid	11.36 mg/kg dwt	1.136 mg/kg dwt	85 mg/L	0.47 mg/kg dwt	-	-

8.2. Exposure controls

Personal Protective Equipment

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

Hand protection Wear suitable gloves.

Skin and body protection No special protective equipment required.

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 Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing.

Environmental exposure controls Prevent that the undiluted product reaches surface waters.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid

Appearance	Liquid
Color	green
Odor	Pleasant (perfume)
Odor threshold	Not applicable

Property	**Values**	**Remarks • Method**
Melting point / freezing point	No data available	Not available. This property is not relevant for the safety and classification of this product
Initial boiling point and boiling range	93.2 °C	
Flammability		Not applicable. This property is not relevant for liquid product forms
Flammability Limit in Air		Not available. This property is not relevant for the safety and classification of this product
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No Flash to Boiling (NFTB)	
Autoignition temperature	No data available	Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature	No Data Available	Not available. This property is not relevant for the safety and classification of this product
pH	2.2	
Dynamic viscosity	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Water solubility	Soluble in water	
Solubility(ies)	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Partition coefficient	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Vapor pressure	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Relative density	1.015	
Relative vapor density	No data available	Not available. This property is not relevant for the safety and classification of this product
Particle characteristics		Not available. This property is not relevant for the safety and classification of this product
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

9.2.1. Information with regard to physical hazard classes
No information available

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity No information available.

10.2. Chemical stability
Stability Stable under normal conditions.
Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials
Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products
Hazardous decomposition products None known based on information supplied.

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 damage. May cause irreversible damage to eyes.

Skin contact Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

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 Redness. Burning. May cause blindness. 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) 16,964.10 mg/kg
ATEmix (inhalation-dust/mist) 573.40 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Formic Acid	730 mg/kg (RAT)	5001 mg/kg (RAT)	8 mg/L (RAT)
Deceth-n	>300-2000 mg/kg	5001 mg/kg (RABBIT)	-

Chemical name	Carcinogenicity	Species	Eye Damage	Species	Developmental toxicity	Species	Mutagenicity	Species
Formic Acid	-	-	Y	-	-	-	-	-
Deceth-n	-	-	Y	-	-	-	-	-
Acetic acid	-	-	Y (OECD 405)	-	-	-	-	-
Citric Acid	-	-	Y (OECD 405)	-	-	-	-	-

Chemical name	Reproductive toxicity	Species	Skin corrosion/irritation	Species	Sensitization	Species
Formic Acid	-	-	Y	-	-	-

Chemical name	Skin sensitization	Species	STOT - single exposure	Target Organs	Species	STOT - repeated exposure	Target Organs	Species	Aspiration hazard
Citric Acid	-	-	(Y)	-	-	-	-	-	-

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

Skin corrosion/irritation Irritating to skin.

Serious eye damage/eye irritation Risk of serious damage to eyes.

Respiratory or skin sensitization Not applicable.

Germ cell mutagenicity None known.

Carcinogenicity None known.

Reproductive toxicity None known.

STOT - single exposure None known.

STOT - repeated exposure None known.

Aspiration hazard Not applicable.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties There are no substances contained at or above the regulated value for declaration of >0.1% that fall under the definition of confirmed endocrine disruptors of any EU regulation.

11.2.2. Other information

Other adverse effects None known.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Not considered to be harmful to aquatic life. No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.

Unknown aquatic toxicity Contains 0.28688 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Formic Acid	1240 mg/L (OECD 201; Pseudokirchneriella subcapitata; 72 h)	130 mg/L (OECD 203; Danio rerio; 96 h)	>= 46.7 mg/L (Pseudomonas putida; 17 h)	365 mg/L (OECD 202; Daphnia magna; 48 h)
Deceth-n	>= 50 mg/L (OECD 201; Desmodesmus subspicatus (green algae); 72 h)	>= 50 mg/L (LC50; OECD 203; Cyprinus carpio (Carp); 96 h)	>= 140 mg/L (activated sludge; Respiration inhibition)	>= 50 mg/L (EC50; OECD 202; Daphnia magna (Water flea); 48 h)

Chronic Toxicity

Chemical name	Toxicity to algae (NOEC or ECx)*	Toxicity to fish (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*	Toxicity to other organisms
Formic Acid	76.7 mg/L (OECD 201; Raphidocelis subcapitata; 3 d)	90 mg/L (OECD 203; Danio rerio; 4 d)	101 mg/L (OECD 211; Daphnia magna; 21 d)	(72 mg/L (EU Method C.3; activated sludge; 13 d))	72 (EU Method C.3; activated sludge; 13 d)
Acetic acid	>= 300.82 mg/L (ISO 10253; Skeletonema costatum; 3 d)	>= 1000 mg/L (OECD 203; Oncorhynchus mykiss; 4 d)	-	(1150 mg/L (Pseudomonas putida; 0.66 d))	-
Citric Acid	-	-	-	-	> 4000 mg/kg bw (Guideline not indicated; Gallus domesticus; 14 d)

12.2. Persistence and degradability

Persistence and degradability

Chemical name	Ready Biodegradation Test (OECD 301)	Abiotic Degradation Hydrolysis	Abiotic Degradation Photolysis	Biodegradation Other Tests
Formic Acid	100 % (OECD 301 C; O2; 14 d)	5.1	31	95 (O2; 20 d)
Deceth-n	60 % (; OECD 301B; aerobic; 28 d)	-	-	-
Acetic acid	96 % (; 20 d)	-	-	T1/2: 2 d (soil; aerobic)
Citric Acid	90 % (OECD 301 D; DOC removal; 30 d)	-	-	93 % (OECD 303 A; aerobic; sludge from a communal sewage treatment plant; COD removal)

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
Formic Acid	-1.9

Chemical name	Octanol/water partition coefficient	Bioconcentration factor (BCF)
Formic Acid	1.9 (EU Method A.8)	-
Acetic acid	-0.17	3.16
Citric Acid	-1.61 (-1.61)	-

12.4. Mobility in soil

Mobility in soil

Chemical name	log Koc
Formic Acid	17.8 (< 17.8 (OECD 121; 23°C))
Deceth-n	2000 - 5000
Acetic acid	1.153 (1.153)

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment

Formic Acid	The substance is not PBT / vPvB
Deceth-n	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties There are no substances contained at or above the regulated value for declaration of >0.1% that fall under the definition of confirmed endocrine disruptors of any EU regulation.

12.7. Other adverse effects

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. Waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible recycling is preferred to disposal or incineration. Empty, uncleaned packaging need the same disposal considerations as filled packaging. For handling waste, see measures described in section 8. Dispose of in accordance with local regulations.

Contaminated packaging Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV 20 01 29* - detergents containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

IATA

14.1 UN number or ID number UN1903
14.2 UN proper shipping name DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(Formic acid)
14.3 Transport hazard class(es) 8
14.4 Packing group III
Description UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(Formic acid), 8, III
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions A3, A803
Note: The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size.

IMDG

14.1 UN number or ID number UN1903
14.2 UN proper shipping name DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(Formic acid)
14.3 Transport hazard class(es) 8
14.4 Packing group III
Description UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(Formic acid), 8, III
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions 223, 274
EmS-No F-A, S-B
14.7 Maritime transport in bulk according to IMO instruments No information available
Note: The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size.

RID

14.1 UN number or ID number UN1903
14.2 UN proper shipping name DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(Formic acid)
14.3 Transport hazard class(es) 8

14.4 Packing group	III
Description	UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(Formic acid), 8, III
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	274
Classification code	C9

ADR

14.1 UN number or ID number	UN1903
14.2 UN proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(Formic acid)
14.3 Transport hazard class(es)	8
14.4 Packing group	III
Description	UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(Formic acid), 8, III
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	274
Classification code	C9
Tunnel restriction code	(E)

ADN

14.1 UN number or ID number	UN1903
14.2 Extended proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(Formic acid)
Description	UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(Formic acid), 8, III
14.3 Transport hazard class(es)	8
14.4 Packing group	III
14.5 Marine pollutant	Not regulated
Classification code	C9
Hazard label(s)	8
Limited quantity (LQ)	5 L
Equipment Requirements	PP, EP

SECTION 15: Regulatory information

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

National regulations

Germany

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

Poland

Announcement of the Speaker of the Sejm of the Republic of Poland of 13 April 2018 regarding the publication of a uniform text of the Act - Labor Code (Journal of Laws 2018, item 917, as amended).Announcement of the Speaker of the Sejm of the Republic of Poland of March 15, 2019 regarding the publication of a uniform text of the Act on Waste (Journal of Laws 2019 item 701, as amended).Regulation of the Minister of Development of 7 July 2016, repealing the Regulation on specific requirements for certain products due to their negative environmental impact (Journal of Laws of 2016, item 1099, as amended).Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 regarding the highest permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286 with subsequent amendments).

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 contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)
Regulation (EC) No. 648/2004 (Detergents regulation) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP] Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)
Biocidal Products Regulation (EU) No 528/2012 (BPR)

Chemical name	Restricted substance per REACH	Substance subject to authorization per

	Annex XVII	REACH Annex XIV
Formic Acid	75.	-

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

EU - Plant Protection Products (1107/2009/EC)

Biocidal Products Regulation (EU) No 528/2012 (BPR)

CESIO Recommendations The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2. Chemical safety assessment

Chemical Safety Report No chemical safety assessment has been carried out for this mixture per REACH regulation.

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
H226 - Flammable liquid and vapor
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H331 - Toxic if inhaled

Legend
SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	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
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Corrosive to metals	Calculation method

Issuing Date: 09-May-2022

Revision Date: 09-May-2022

Further information Salts listed in Section 3 without a REACh Registration number are exempt, based on Annex V.

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

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet