SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1272/2008 and Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878

Revision Date 06-Sep-2024 **Version** 1

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

1.1. Product identifier

Product Code 25122

Product Name FAST ORANGE PUMICE LOTION HAND CLEANER 15 FL.OZ

Other means of identification

Mixture. Contains METHYLISOTHIAZOLINONE; D-LIMONENE

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

Recommended Use Hand Cleaner or Soap - Heavy Duty

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
ITW Permatex, Inc.
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

Only Representative (OR)
ITW Permatex, Inc.
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82
353(61)771500
353(61)471285
customerservice.shannon@itwpp.com

For further information, please contact

Contact Point ITW Permatex
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

E-mail address: mail@permatex.com

Non-Emergency Telephone Number 866-732-9502

1.4. Emergency telephone number

24-hour emergency phone number EU Member States information as follows:

24-hour emergency phone number - §45 - (EC)1272/2008	
Europe	**112**
Austria	01 406 43 43
Belgium	070 245 245
Bulgaria	+359 2 9154 233

Croatia	+3851 2348 342
Cyprus	1401
Czech Republic	+420 224 919 293/ +420 224 915 402
Denmark	+ 45 8212 1212
Estonia	16662/ (+372) 7943 794
Finland	0800 147 111/ 09 471 977
France	+33 (0)1 45 42 59 59
Germany	+49 228 192 40
Greece	(003) 2107793777
Hungary	+36 80 201 199
Iceland	543 2222
Ireland	01 809 2166
Italy	0382-24444
Latvia	+371 67042473
Liechtenstein	01 406 43 43
Lithuania	+370 (85) 2362052
Luxembourg	(+352) 8002 5500
Malta	112
Netherlands	+31 (0)88 755 8000
Norway	22 59 13 00
Poland	112
Portugal	+351 800 250 250
Romania	+40213183606
Slovakia	+421 2 5477 4166
Slovenia	112
Spain	+34 91 562 04 20
Sweden	112
Switzerland	145
United Kingdom	111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin sensitization	Category 1 - (H317)

2.2. Label elements

Contains METHYLISOTHIAZOLINONE; D-LIMONENE

Signal word
Warning

Hazard statements
H317 - May cause an allergic skin reaction.

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

P280 - Wear protective gloves.
P321 - Specific treatment (see .? on this label).
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents/ container to an approved waste disposal plant.

11.5 % of the mixture consists of ingredient(s) of unknown acute toxicity.
9.2 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
11.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
11.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
11.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
11.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Unknown aquatic toxicity
Contains 0 % of components with unknown hazards to the aquatic environment.

2.3. Other hazards

Other hazards No information available.

PBT & vPvB The components in this formulation do not meet the criteria for classification as PBT or vPvB.

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 number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
PUMICE 1332-09-8	5-10%	No data available	-	No data available	-	-	-	-
GLYCERIN 56-81-5	0.1-1%	No data available	200-289-5	No data available	-	-	-	-
TRIETHANOLAMINE 102-71-6	0.1-1%	No data available	203-049-8	No data available	-	-	-	-
D-LIMONENE 5989-27-5	0.1-1%	No data available	227-813-5 (601-096-00-2)	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)	-	1	1	-
CARBOMER 9003-01-4	0.1-1%	No data available	-	No data available	-	-	-	-
2-PHENOXYETHANOL	0.1-1%	No data available	204-589-7 (603-098-00-9)	Acute Tox. 4 (H302) Eye Dam. 1 (H318)	-	-	-	-

122-99-6				STOT SE 3 (H335)				
PROPYLENE GLYCOL 57-55-6	0.1-1%	No data available	200-338-0	No data available	-	-	-	-
SODIUIM BICARBONATE 144-55-8	<0.1%	No data available	205-633-8	No data available	-	-	-	-
METHYLISOTHIAZOLINONE 2682-20-4	<0.1%	No data available	220-239-6 (613-326-00-9)	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Skin Sens. 1A (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	Skin Sens. 1A :: C>=0.0015%	10	1	-

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

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
GLYCERIN 56-81-5	27200	10000	5.85	No data available	No data available
TRIETHANOLAMINE 102-71-6	4190	20000	No data available	No data available	No data available
D-LIMONENE 5989-27-5	5200 4400	5000	No data available	No data available	No data available
CARBOMER 9003-01-4	2500	2000	No data available	No data available	No data available
2-PHENOXYETHANOL 122-99-6	1394 + 1850	5550	No data available	No data available	No data available
PROPYLENE GLYCOL 57-55-6	20000	20800	No data available	No data available	No data available
SODIUIM BICARBONATE 144-55-8	4220	2000	No data available	No data available	No data available
METHYLISOTHIAZOLINONE 2682-20-4	232 120	200	No data available	No data available	No data available

+ This value is the harmonized acute toxicity estimate (ATE) listed in CLP Annex VI, Part 3. This harmonized ATE value must be used when calculating the acute toxicity estimate (ATEmix) for classifying a mixture containing the listed substance

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 thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

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.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Itching. Rashes. Hives.

Effects of Exposure No information available.

4.3. Indication of any immediate medical 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.

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 Product is or contains a sensitizer. May cause sensitization by skin contact.

5.3. Advice for firefighters

Special protective equipment and precautions 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. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

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 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 Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage class (TRGS 510) Storage class 10.

7.3. Specific end use(s)

Specific use(s)
Professional use of hand cleaners.

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
GLYCERIN 56-81-5	-	-	TWA: 10 mg/m³	-	TWA: 10 mg/m³
TRIETHANOLAMINE 102-71-6	-	TWA: 0.8 ppm TWA: 5 mg/m³ STEL 1.6 ppm STEL 10 mg/m³ S+	TWA: 5 mg/m³	-	-
2-PHENOXYETHANOL	-	TWA: 20 ppm	-	-	-

122-99-6		TWA: 110 mg/m³ STEL 20 ppm STEL 110 mg/m³ Ceiling: 20 ppm Ceiling: 110 mg/m³			
PROPYLENE GLYCOL 57-55-6	-	-	-	-	TWA: 150 ppm TWA: 474 mg/m³ TWA: 10 mg/m³
METHYLISOTHIAZOLINONE 2682-20-4	-	TWA: 0.05 mg/m³ Sh+	-	-	-
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
GLYCERIN 56-81-5	-	TWA: 10 mg/m³ Ceiling: 15 mg/m³	-	TWA: 10 mg/m³	TWA: 20 mg/m³
TRIETHANOLAMINE 102-71-6	-	TWA: 5 mg/m³ Sk* Ceiling: 10 mg/m³	TWA: 0.5 ppm TWA: 3.1 mg/m³ STEL: 1 ppm STEL: 6.2 mg/m³	TWA: 5 mg/m³ STEL: 10 mg/m³ S+	TWA: 5 mg/m³
D-LIMONENE 5989-27-5	-	-	-	-	TWA: 25 ppm TWA: 140 mg/m³ STEL: 50 ppm STEL: 280 mg/m³
2-PHENOXYETHANOL 122-99-6	-	-	-	-	TWA: 20 ppm TWA: 110 mg/m³ STEL: 50 ppm STEL: 290 mg/m³ Sk*
SODIUIM BICARBONATE 144-55-8	-	TWA: 5 mg/m³ Ceiling: 10 mg/m³	-	-	-
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
GLYCERIN 56-81-5	TWA: 10 mg/m³	TWA: 200 mg/m³	TWA: 200 mg/m³ Peak: 400 mg/m³	TWA: 10 mg/m³	-
TRIETHANOLAMINE 102-71-6	-	TWA: 1 mg/m³	TWA: 1 mg/m³ Peak: 1 mg/m³	-	-
D-LIMONENE 5989-27-5	TWA: 1000 mg/m³ STEL: 1500 mg/m³	TWA: 5 ppm TWA: 28 mg/m³ Sk* Sh+	TWA: 5 ppm TWA: 28 mg/m³ Peak: 20 ppm Peak: 112 mg/m³ Sk* skin sensitizer	-	-
2-PHENOXYETHANOL 122-99-6	-	TWA: 1 ppm TWA: 5.7 mg/m³	TWA: 1 ppm TWA: 5.7 mg/m³ Peak: 1 ppm Peak: 5.7 mg/m³	-	-
METHYLISOTHIAZOLINONE 2682-20-4	-	-	TWA: 0.2 mg/m³ Peak: 0.4 mg/m³ skin sensitizer	-	-
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
PUMICE 1332-09-8	-	-	-	TWA: 4 mg/m³	-
TRIETHANOLAMINE 102-71-6	TWA: 5 mg/m³ STEL: 15 mg/m³	-	TWA: 5 mg/m³	-	TWA: 5 mg/m³ STEL: 10 mg/m³ J+
PROPYLENE GLYCOL 57-55-6	TWA: 10 mg/m³ TWA: 150 ppm TWA: 470 mg/m³ STEL: 1410 mg/m³ STEL: 30 mg/m³	-	-	TWA: 7 mg/m³	TWA: 7 mg/m³

	STEL: 450 ppm				
SODIUIM BICARBONATE 144-55-8	-	-	-	TWA: 5 mg/m³	-
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
GLYCERIN 56-81-5	-	-	-	-	TWA: 10 mg/m³
TRIETHANOLAMINE 102-71-6	-	-	-	TWA: 5 mg/m³ STEL: 10 mg/m³	-
D-LIMONENE 5989-27-5	-	-	-	TWA: 25 ppm TWA: 140 mg/m³ STEL: 37.5 ppm STEL: 175 mg/m³ A+	-
2-PHENOXYETHANOL 122-99-6	-	-	-	-	TWA: 230 mg/m³
PROPYLENE GLYCOL 57-55-6	-	-	-	TWA: 25 ppm TWA: 79 mg/m³ STEL: 37.5 ppm STEL: 118.5 mg/m³	TWA: 100 mg/m³
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
GLYCERIN 56-81-5	TWA: 10 mg/m³	-	TWA: 10 mg/m³	TWA: 200 mg/m³ STEL: 400 mg/m³	TWA: 10 mg/m³
TRIETHANOLAMINE 102-71-6	TWA: 5 mg/m³	-	-	-	TWA: 5 mg/m³
D-LIMONENE 5989-27-5	-	-	-	TWA: 28 mg/m³ TWA: 5 ppm STEL: 20 ppm STEL: 112 mg/m³ Sk*	TWA: 30 ppm TWA: 168 mg/m³ Sk* Sen+
2-PHENOXYETHANOL 122-99-6	-	-	-	TWA: 5.7 mg/m³ TWA: 1 ppm STEL: 1 ppm STEL: 5.7 mg/m³	-

Chemical name	Sweden	Switzerland	United Kingdom
GLYCERIN 56-81-5	-	TWA: 50 mg/m³ STEL: 100 mg/m³	TWA: 10 mg/m³ STEL: 30 mg/m³
TRIETHANOLAMINE 102-71-6	NGV: 5 mg/m³ NGV: 0.8 ppm Vägledande KGV: 10 mg/m³ Vägledande KGV: 1.6 ppm Sk*	TWA: 5 mg/m³ STEL: 5 mg/m³	-
D-LIMONENE 5989-27-5	-	TWA: 7 ppm TWA: 40 mg/m³ STEL: 14 ppm STEL: 80 mg/m³ S+	-
CARBOMER 9003-01-4	-	TWA: 0.05 mg/m³ STEL: 0.05 mg/m³	-
2-PHENOXYETHANOL 122-99-6	-	TWA: 20 ppm TWA: 110 mg/m³ STEL: 20 ppm STEL: 110 mg/m³	-
PROPYLENE GLYCOL 57-55-6	-	-	TWA: 150 ppm TWA: 474 mg/m³ TWA: 10 mg/m³ STEL: 450 ppm STEL: 1422 mg/m³ STEL: 30 mg/m³

METHYLISOTHIAZOLINONE 2682-20-4	-	TWA: 0.2 mg/m³ STEL: 0.4 mg/m³	-

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) - Workers

Chemical name	Oral	Dermal	Inhalation
ETHOXYLATED C9-C11 ALCOHOLS 68439-46-3	-	2080 mg/kg bw/day [4] [6]	294 mg/m³ [4] [6]
GLYCERIN 56-81-5	-	-	56 mg/m³ [5] [6]
TRIETHANOLAMINE 102-71-6	-	7.5 mg/kg bw/day [4] [6] 140 µg/cm2 [5] [6]	1 mg/m³ [5] [6]
CARBOMER 9003-01-4	-	0.56 mg/kg bw/day [4] [6]	1.97 mg/m³ [4] [6]
2-PHENOXYETHANOL 122-99-6	-	20.83 mg/kg bw/day [4] [6]	5.7 mg/m³ [4] [6] 5.7 mg/m³ [5] [6]
PROPYLENE GLYCOL 57-55-6	-	-	168 mg/m³ [4] [6] 10 mg/m³ [5] [6]
METHYLISOTHIAZOLINONE 2682-20-4	-	-	0.021 mg/m³ [5] [6] 0.043 mg/m³ [5] [7]
VITAMIN E ACETATE 7695-91-2	-	416.6 mg/kg bw/day [4] [6]	73.5 mg/m³ [4] [6]

Notes
[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
ETHOXYLATED C9-C11 ALCOHOLS 68439-46-3	25 mg/kg bw/day [4] [6]	-	87 mg/m³ [4] [6]
GLYCERIN 56-81-5	229 mg/kg bw/day [4] [6]	-	33 mg/m³ [5] [6]
TRIETHANOLAMINE 102-71-6	3.3 mg/kg bw/day [4] [6]	70 µg/cm2 [5] [6]	0.4 mg/m³ [5] [6]
CARBOMER 9003-01-4	0.2 mg/kg bw/day [4] [6]	-	0.348 mg/m³ [4] [6]
2-PHENOXYETHANOL 122-99-6	9.23 mg/kg bw/day [4] [6] 9.23 mg/kg bw/day [4] [7]	-	2.41 mg/m³ [4] [6] 2.41 mg/m³ [5] [6]
PROPYLENE GLYCOL 57-55-6	-	-	50 mg/m³ [4] [6] 10 mg/m³ [5] [6]
METHYLISOTHIAZOLINONE 2682-20-4	0.027 mg/kg bw/day [4] [6] 0.053 mg/kg bw/day [4] [7]	-	0.021 mg/m³ [5] [6] 0.043 mg/m³ [5] [7]
VITAMIN E ACETATE 7695-91-2	12.5 mg/kg bw/day [4] [6]	-	21.7 mg/m³ [4] [6]

Notes
[4] Systemic health effects.

[5] Local health effects.
[6] Long term.
[7] Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
ETHOXYLATED C9-C11 ALCOHOLS 68439-46-3	0.10379 mg/L	0.014 mg/L	0.10379 mg/L	-	-
GLYCERIN 56-81-5	0.885 mg/L	8.85 mg/L	0.0885 mg/L	-	-
TRIETHANOLAMINE 102-71-6	0.32 mg/L	5.12 mg/L	0.032 mg/L	-	-
CARBOMER 9003-01-4	0.003 mg/L	0.0013 mg/L	0.0003 mg/L	0.00013 mg/L	-
2-PHENOXYETHANOL 122-99-6	0.943 mg/L	3.44 mg/L	0.0943 mg/L	-	-
PROPYLENE GLYCOL 57-55-6	260 mg/L	183 mg/L	26 mg/L	-	-
METHYLISOTHIAZOLINONE 2682-20-4	3.39 µg/L	3.39 µg/L	3.39 µg/L	3.39 µg/L	-
VITAMIN E ACETATE 7695-91-2	0.27 mg/L	0.27 mg/L	0.027 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
ETHOXYLATED C9-C11 ALCOHOLS 68439-46-3	13.7 mg/kg sediment dw	13.7 mg/kg sediment dw	1.4 mg/L	1 mg/kg soil dw	-
GLYCERIN 56-81-5	3.3 mg/kg sediment dw	0.33 mg/kg sediment dw	1000 mg/L	0.141 mg/kg soil dw	-
TRIETHANOLAMINE 102-71-6	1.7 mg/kg sediment dw	0.17 mg/kg sediment dw	10 mg/L	0.151 mg/kg soil dw	-
CARBOMER 9003-01-4	0.0207 mg/kg sediment dw	0.00207 mg/kg sediment dw	0.9 mg/L	0.003117 mg/kg soil dw	-
2-PHENOXYETHANOL 122-99-6	7.2366 mg/kg sediment dw	0.7237 mg/kg sediment dw	36 mg/L	1.31 mg/kg soil dw	-
PROPYLENE GLYCOL 57-55-6	572 mg/kg sediment dw	57.2 mg/kg sediment dw	20000 mg/L	50 mg/kg soil dw	-
METHYLISOTHIAZOLINONE 2682-20-4	-	-	0.23 mg/L	0.0471 mg/kg soil dw	-
VITAMIN E ACETATE 7695-91-2	212000 mg/kg sediment dw	21200 mg/kg sediment dw	100 mg/L	74800 mg/kg soil dw	-

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Thermal hazards	No information available.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Cream/ Lotion Liquid
Color	No information available
Odor	No information available.
Odor threshold	No information available

Property	**Values**	**Remarks • Method**
Melting point / freezing point	No data available	Estimated
Boiling point / boiling range	> 100 °C	
Flammability (solid, gas)	No data available	Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Flash point	> 95 °C	
Autoignition temperature	No data available	Estimated
Decomposition temperature		Remarks: Self-Accelerating decomposition temperature (SADT): 50 °C SADT-Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction.
pH	6.0-8.5	
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No Data Available	Kinematic viscosity at 100 degrees C
Dynamic viscosity	No data available	Remarks: Self-Accelerating decomposition temperature (SADT): 50 °C SADT-Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction.
Water solubility	No data available Soluble in water	
Solubility(ies)	No Data Available	None known
Partition coefficient	No Data Available	None known
Vapor pressure	No Data Available	mmHg
Relative density	1.02	
Bulk density	No data available	
Density	No data available	

Vapor density	>1	Air = 1
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

VOC content 1.7

9.2.1. Information with regard to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available > 1 Butyl acetate = 1

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

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives.

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

Acute toxicity Based on available data, the classification criteria are not met.

Numerical measures of toxicity
The following values are calculated based on chapter 3.1 of the GHS document:
ATEmix (oral) 60,869.60 mg/kg
ATEmix (dermal) 99,999.00 mg/kg
ATEmix (inhalation-gas) 99,999.00 ppm
ATEmix (inhalation-vapor) 99,999.00 mg/l
ATEmix (inhalation-dust/mist) 99,999.00 mg/l

9.2 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
11.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
11.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
11.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
11.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
GLYCERIN	= 27200 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 5.85 mg/L (Rat) 4 h
TRIETHANOLAMINE	= 4190 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	-
D-LIMONENE	= 5200 mg/kg (Rat) = 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
CARBOMER	= 2500 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.1 mg/L (Rat) 4 h
2-PHENOXYETHANOL	= 1850 mg/kg (Rat)	= 5 mL/kg (Rabbit)	> 0.057 mg/L (Rat) 8 h
PROPYLENE GLYCOL	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-
SODIUIM BICARBONATE	= 4220 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
METHYLISOTHIAZOLINONE	232 - 249 mg/kg (Rat) = 120 mg/kg (Rat)	= 200 mg/kg (Rabbit)	= 0.11 mg/L (Rat) 4 h

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
GLYCERIN	-	LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)	-	-
TRIETHANOLAMINE	EC50: =216mg/L (72h, Desmodesmus subspicatus) EC50: =169mg/L (96h, Desmodesmus subspicatus)	LC50: 10600 - 13000mg/L (96h, Pimephales promelas) LC50: >1000mg/L (96h, Pimephales promelas) LC50: 450 - 1000mg/L (96h, Lepomis macrochirus)	-	-
D-LIMONENE	-	LC50: 0.619 - 0.796mg/L (96h, Pimephales promelas) LC50: =35mg/L (96h, Oncorhynchus mykiss)	-	-
CARBOMER	-	LC50: =580mg/L (96h, Lepomis macrochirus)	-	-
2-PHENOXYETHANOL	EC50: >500mg/L (72h,	LC50: 337 - 352mg/L	-	EC50: >500mg/L (48h,

	Desmodesmus subspicatus)	(96h, Pimephales promelas) LC50: =366mg/L (96h, Pimephales promelas)		Daphnia magna)
PROPYLENE GLYCOL	EC50: =19000mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =51600mg/L (96h, Oncorhynchus mykiss) LC50: 41 - 47mL/L (96h, Oncorhynchus mykiss) LC50: =51400mg/L (96h, Pimephales promelas) LC50: =710mg/L (96h, Pimephales promelas)	-	EC50: >1000mg/L (48h, Daphnia magna)
SODIUIM BICARBONATE	-	LC50: 8250 - 9000mg/L (96h, Lepomis macrochirus)	-	EC50: =2350mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Chemical name	Partition coefficient
GLYCERIN	-1.75
TRIETHANOLAMINE	-2.53
D-LIMONENE	4.38
CARBOMER	0.27
2-PHENOXYETHANOL	1.2
PROPYLENE GLYCOL	-1.07
METHYLISOTHIAZOLINONE	-0.26

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Based on available data, the classification criteria are not met.

Chemical name	PBT and vPvB assessment
GLYCERIN	The substance is not PBT / vPvB
TRIETHANOLAMINE	The substance is not PBT / vPvB
D-LIMONENE	The substance is not PBT / vPvB
CARBOMER	The substance is not PBT / vPvB
2-PHENOXYETHANOL	The substance is not PBT / vPvB
PROPYLENE GLYCOL	The substance is not PBT / vPvB
SODIUIM BICARBONATE	The substance is not PBT / vPvB
METHYLISOTHIAZOLINONE	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

12.7. Other adverse effects

Other adverse effects No information available.

PMT or vPvM properties Based on available data, the classification criteria are not met.

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

IATA

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable

14.6 Special precautions for user
Special Provisions None

ADN
14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special precautions for user
Special Provisions None

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)

Chemical name	French RG number
TRIETHANOLAMINE - 102-71-6	RG 49
D-LIMONENE - 5989-27-5	RG 84
CARBOMER - 9003-01-4	RG 82
2-PHENOXYETHANOL - 122-99-6	RG 84
PROPYLENE GLYCOL - 57-55-6	RG 84

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

Switzerland
Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018 Group I
Storage of Hazardous Material SC 10/12
WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20 Class B

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)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
D-LIMONENE - 5989-27-5	75	-
2-PHENOXYETHANOL - 122-99-6	75	-
METHYLISOTHIAZOLINONE - 2682-20-4	75	-

Persistent Organic Pollutants
Not applicable

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

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

Chemical name	EU - Plant Protection Products (1107/2009/EC)
D-LIMONENE - 5989-27-5	Plant protection agent
SODIUIM BICARBONATE - 144-55-8	Plant protection agent

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

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
2-PHENOXYETHANOL - 122-99-6	Product-type 1: Human hygiene Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 4: Food and feed area Product-type 6: Preservatives for products during storage Product-type 13: Working or cutting fluid preservatives
METHYLISOTHIAZOLINONE - 2682-20-4	Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides Product-type 13: Working or cutting fluid preservatives Product-type 6: Preservatives for products during storage

International Inventories

TSCA	Not determined
DSL/NDSL	Complies
EINECS/ELINCS	Not determined
ENCS	Not determined
IECSC	Not determined
KECI	Not determined
PICCS	Complies
AICS	Complies
NZIoC	Complies
TCSI	Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing Chemicals Inventory
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
TCSI - Taiwan Chemical Substance Inventory

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
H226 - Flammable liquid and vapor
H301 - Toxic if swallowed

H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H311 - Toxic in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H330 - Fatal if inhaled
H335 - May cause respiratory irritation
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Legend
SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration
LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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
Skin 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
Ozone	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)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
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)
National Institute of Technology and Evaluation (NITE)
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)
U.S. 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

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