

GHS Safety Data Sheet

According to Regulation (EC) no 2020/878

This Safety Data Sheet cancels and replaces all preceding SDS for this product.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

4636722

YCF1 GOLDEN SPICED PEAR CANDLE

© MG product

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

Fragrance ingredient for use in consumer products.

Not for personal use in this form or concentration.

Intended to be used in the manufacture of products for consumers.

1.3 Details of the supplier of the safety data sheet

Firmenich & Cie SAS
41-43, rue de Villiers
92200 Neuilly-sur-Seine
FRANCE
Tel: +33 1 40 88 73 42

GRS.EU.FRAGRANCE.EXPERTS@firmenich.com

1.4 Emergency telephone number

+44 1235 239 670 Available 24/7 (NCEC)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) N° 1272/2008 [CLP/GHS] as amended

Skin Irritation - Cat. 2	H315
Skin Sensitization - Cat. 1	H317
Eye Irritation - Cat.2	H319
Environmental Hazard (acute) - Cat. 1	H400
Environmental Hazard (chronic) - Cat. 2	H411

Additional information

Full text of listed statements : See section 16

2.2 Label elements

Hazard pictograms:

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Signal Word:

Warning

Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P264	Wash thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

Supplemental Hazard information (EU):

Contains: Cinnamal, Eugenol, Piperonal, Coumarin, Cyclamen Aldehyde, Linalool, Formyl-Dimethylcyclohexene, Rose Ketone, Cinnamionitrile, Caryophyllene, Methylcyclopentenolone, Isocyclocitral, Hexyl Salicylate, Acetyltetramethyloctaline, Citronellol, Alpha-Methylcinnamaldehyde, Cinnamyl Alcohol, Isoeugenol, Citronellyl Formate, Citronellyl Propionate, Geranyl Acetate, Beta-Pinene, Alpha-Pinene, Carvone (Iso), Butylcyclohexyl Acetate, T-4-, Limonene.

Hazard Inducers:

2-Propenal, 3-phenyl-

2.3 Other hazards

Ecological information:

According to Annex XIII of REACH Regulation, the substance/mixture contains no constituent considered either Persistent, Bioaccumulative and Toxic (PBT), or very Persistent and very Bioaccumulative (vPvB) at a concentration equal to or greater than 0.1%.

The substance/mixture contains no constituent identified as having endocrine disrupting properties according to REACH Article 59(1) or in accordance with the criteria set out in Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%.

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Toxicological information:

The substance/mixture contains no constituent identified as having endocrine disrupting properties according to REACH Article 59(1) or Commission Delegated regulation (EU) 2017/2100 at a concentration equal to or greater than 0.1%.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Mixture of aromatic substances.

Contains :

>= 10.0 < 15.0%

EU Specific Identifiers:

N° EU REACH: 01-2119976371-33

EC CAS: 0000120-51-4

Benzyl Benzoate

N° EINECS: 204-402-9

N° Index : 607-085-00-9

GHS Classification:

Acute Toxicity (oral) - Cat. 4 [H302]

Environmental Hazard (acute) - Cat. 1 [H400]

Environmental Hazard (chronic) - Cat. 2 [H411]

>= 10.0 < 15.0%

EU Specific Identifiers:

N° EU REACH: 01-2119973480-35

EC CAS: 0000105-87-3

2,6-Octadien-1-ol, 3,7-Dimethyl-, Acetate, (E)-

N° EINECS: 203-341-5

Skin Sensitization - Cat. 1B [H317]

Skin Irritation - Cat. 2 [H315]

Environmental Hazard (chronic) - Cat. 3 [H412]

>= 7.5 < 10.0%

EU Specific Identifiers:

N° EU REACH: 01-2119970713-33

EC CAS: 0020298-69-5

Cyclohexanol, 2-(1,1-Dimethylethyl)-, Acetate, Cis-

N° EINECS: 243-718-1

Environmental Hazard (chronic) - Cat. 2 [H411]

>= 5.0 < 7.5%

EU Specific Identifiers:

N° EU REACH: 01-2119959333-34

EC CAS: 0000104-67-6

2(3h)-Furanone, 5-Heptyldihydro-

N° EINECS: 203-225-4

Environmental Hazard (chronic) - Cat. 3 [H412]

>=2.5 < 5.0%

EU Specific Identifiers:

N° EU REACH: 01-2119538797-21

EC CAS: 0015174-47-7

2-Propenal, 2-Methyl-3-Phenyl-, (2e)-

Skin Sensitization - Cat. 1B [H317]

Environmental Hazard (acute) - Cat. 1 [H400]

Environmental Hazard (chronic) - Cat. 3 [H412]

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$\geq 2.5 < 5.0\%$

EU Specific Identifiers:

N° EU REACH: 01-2119971802-33

EC CAS: 0000097-53-0

Eugenol

N° EINECS: 202-589-1

Skin Sensitization - Cat. 1B [H317]

Eye Irritation - Cat.2 [H319]

$\geq 2.5 < 5.0\%$

EU Specific Identifiers:

N° EU REACH: 01-2120742578-44

EC CAS: 0010094-34-5

Butanoic Acid, 1,1-Dimethyl-2-Phenylethyl Ester

N° EINECS: 233-221-8

Environmental Hazard (chronic) - Cat. 2 [H411]

$\geq 2.5 < 5.0\%$

EU Specific Identifiers:

N° EU REACH: 01-2119457274-37

EC CAS: 0018479-58-8

7-Octen-2-ol, 2,6-Dimethyl-

N° EINECS: 242-362-4

Specific Target Organ Toxicity - Single Exposure -

Cat. 3 Narcotic Effects [H336]

Skin Irritation - Cat. 2 [H315]

Eye Irritation - Cat.2 [H319]

$\geq 2.5 < 5.0\%$

EU Specific Identifiers:

N° EU REACH: 01-2119488227-29

EC CAS: 0001222-05-5

1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-

Hexamethylindeno[5,6-C]Pyran

N° EINECS: 214-946-9

N° Index : 603-212-00-7

Environmental Hazard (acute) - Cat. 1 [H400]

Environmental Hazard (chronic) - Cat. 1 [H410]

$\geq 1.0 < 2.5\%$

EU Specific Identifiers:

N° EU REACH: 01-2119958961-24

EC CAS: 0000121-32-4

Ethyl Vanillin

N° EINECS: 204-464-7

Eye Irritation - Cat.2 [H319]

$\geq 1.0 < 2.5\%$

EU Specific Identifiers:

N° EU REACH: 01-2119935242-45

EC CAS: 0000104-55-2

2-Propenal, 3-Phenyl-

N° EINECS: 203-213-9

N° Index : 606-155-00-6

Skin Sensitization - Cat. 1A [H317]

Skin Irritation - Cat. 2 [H315]

Eye Irritation - Cat.2 [H319]

Environmental Hazard (chronic) - Cat. 3 [H412]

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>= 1.0 < 2.5% EU Specific Identifiers: N° EU REACH: 01-2119516040-60 EC CAS: 0000121-33-5 Vanillin N° EINECS: 204-465-2	Eye Irritation - Cat.2 [H319]
>= 1.0 < 2.5% EU Specific Identifiers: N° EU REACH: 01-2119886972-18 EC CAS: 0000105-53-3 Propanedioic Acid, Diethyl Ester N° EINECS: 203-305-9	Eye Irritation - Cat.2 [H319]
>= 0.5 < 1.0% EU Specific Identifiers: N° EU REACH: 01-2119555270-46 EC CAS: 0000128-37-0 2,6-Di-Tert-Butyl-P-Cresol N° EINECS: 204-881-4	Environmental Hazard (acute) - Cat. 1 [H400] Environmental Hazard (chronic) - Cat. 1 [H410]
>= 0.5 < 1.0% EU Specific Identifiers: N° EU REACH: 01-2119934496-29 EC CAS: 0000104-54-1 2-Propen-1-ol, 3-Phenyl- N° EINECS: 203-212-3	Skin Sensitization - Cat. 1B [H317] Acute Toxicity (oral) - Cat. 4 [H302]
>= 0.5 < 1.0% EU Specific Identifiers: N° EU REACH: 01-2120120147-69 EC CAS: 0001423-46-7 3-Cyclohexene-1-Carboxaldehyde, 2,4,6-Trimethyl- N° EINECS: 215-833-7	Skin Sensitization - Cat. 1B [H317] Skin Irritation - Cat. 2 [H315] Eye Irritation - Cat.2 [H319] Environmental Hazard (chronic) - Cat. 3 [H412]
>= 0.5 < 1.0% EU Specific Identifiers: N° EU REACH: 01-2119949300-45 EC CAS: 0000091-64-5 2h-1-Benzopyran-2-One N° EINECS: 202-086-7	Skin Sensitization - Cat. 1B [H317] Acute Toxicity (oral) - Cat. 4 [H302]
>= 0.5 < 1.0% EU Specific Identifiers: EC CAS: 0000123-92-2 Isopentyl Acetate N° EINECS: 204-662-3 N° Index : 607-130-00-2	Flammable Liquid - Cat. 3 [H226]

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>= 0.5 < 1.0%

EU Specific Identifiers:

N° EU REACH: 01-2119474016-42

EC CAS: 0000078-70-6

Linalool

N° EINECS: 201-134-4

N° Index : 603-235-00-2

Skin Sensitization - Cat. 1B [H317]

Skin Irritation - Cat. 2 [H315]

Eye Irritation - Cat.2 [H319]

>= 0.5 < 1.0%

EU Specific Identifiers:

N° EU REACH: 01-2120745237-53

EC CAS: 0000087-44-5

Caryophyllene

N° EINECS: 201-746-1

Aspiration Hazard - Cat. 1 [H304]

Skin Sensitization - Cat. 1B [H317]

>= 0.5 < 1.0%

EU Specific Identifiers:

N° EU REACH: 01-2119982384-28

Other Identifiers:

3-Cyclohexene-1-Carboxaldehyde, 2,4-Dimethyl-

N° CAS: 0068039-49-6

Skin Sensitization - Cat. 1B [H317]

Skin Irritation - Cat. 2 [H315]

Environmental Hazard (chronic) - Cat. 2 [H411]

>= 0.1 < 0.5%

EU Specific Identifiers:

N° EU REACH: 01-2120794630-50

Other Identifiers:

Acetic Acid, (3-Methylbutoxy)-, 2-Propenyl Ester

N° CAS: 0067634-00-8

Acute Toxicity (inhalation) - Cat. 2 [H330]

Specific Target Organ Toxicity - Repeated Exposure
- Cat. 2 [H373]

Acute Toxicity (oral) - Cat. 4 [H302]

Acute Toxicity (dermal) - Cat. 4 [H312]

Environmental Hazard (acute) - Cat. 1 [H400]

>= 0.1 < 0.5%

EU Specific Identifiers:

EC CAS: 0007785-26-4

Alpha-Pinene

N° EINECS: 232-077-3

Aspiration Hazard - Cat. 1 [H304]

Skin Sensitization - Cat. 1B [H317]

Acute Toxicity (oral) - Cat. 4 [H302]

Skin Irritation - Cat. 2 [H315]

Environmental Hazard (acute) - Cat. 1 [H400]

Environmental Hazard (chronic) - Cat. 1 [H410]

Flammable Liquid - Cat. 3 [H226]

>= 0.1 < 0.5%

EU Specific Identifiers:

N° EU REACH: 01-2119976287-22

EC CAS: 0010411-92-4

Cyclohexanol, 4-(1,1-Dimethylethyl)-, Acetate, Cis-

N° EINECS: 233-881-7

Skin Sensitization - Cat. 1B [H317]

Acute Toxicity (oral) - Cat. 4 [H302]

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>= 0.1 < 0.5%
EU Specific Identifiers:
N° EU REACH: 01-2119970582-32
EC CAS: 0000103-95-7
Benzenepronal, .Alpha.-Methyl-4-(1-Methylethyl)-
N° EINECS: 203-161-7

Skin Sensitization - Cat. 1B [H317]
Skin Irritation - Cat. 2 [H315]
Environmental Hazard (chronic) - Cat. 3 [H412]

>= 0.1 < 0.5%
EU Specific Identifiers:
EC CAS: 0005989-27-5
D-Limonene
N° EINECS: 227-813-5

Aspiration Hazard - Cat. 1 [H304]
Skin Sensitization - Cat. 1B [H317]
Skin Irritation - Cat. 2 [H315]
Environmental Hazard (acute) - Cat. 1 [H400]
Environmental Hazard (chronic) - Cat. 3 [H412]
Flammable Liquid - Cat. 3 [H226]

>= 0.1 < 0.5%
EU Specific Identifiers:
EC CAS: 0018172-67-3
Beta-Pinene
N° EINECS: 242-060-2

Aspiration Hazard - Cat. 1 [H304]
Skin Sensitization - Cat. 1B [H317]
Skin Irritation - Cat. 2 [H315]
Environmental Hazard (acute) - Cat. 1 [H400]
Environmental Hazard (chronic) - Cat. 1 [H410]
Flammable Liquid - Cat. 3 [H226]

>= 0.1 < 0.5%
EU Specific Identifiers:
EC CAS: 0000141-14-0
6-Octen-1-ol, 3,7-Dimethyl-, Propanoate
N° EINECS: 205-461-3

Skin Sensitization - Cat. 1B [H317]
Environmental Hazard (chronic) - Cat. 2 [H411]

>= 0.1 < 0.5%
EU Specific Identifiers:
EC CAS: 0004360-47-8
2-Propenenitrile, 3-Phenyl-
N° EINECS: 224-441-5

Acute Toxicity (oral) - Cat. 3 [H301]
Skin Sensitization - Cat. 1B [H317]
Acute Toxicity (dermal) - Cat. 4 [H312]
Acute Toxicity (inhalation) - Cat. 4 [H332]

>= 0.1 < 0.5%
EU Specific Identifiers:
N° EU REACH: 01-2119539433-40
EC CAS: 0001506-02-1
Ethanone, 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-Hexamethyl-2-Naphthalenyl)-
N° EINECS: 216-133-4

Acute Toxicity (oral) - Cat. 4 [H302]
Environmental Hazard (acute) - Cat. 1 [H400]
Environmental Hazard (chronic) - Cat. 1 [H410]

>= 0.1 < 0.5%
EU Specific Identifiers:
N° EU REACH: 01-2119983573-26
EC CAS: 0000123-68-2
Hexanoic Acid, 2-Propenyl Ester
N° EINECS: 204-642-4

Acute Toxicity (oral) - Cat. 3 [H301]
Acute Toxicity (dermal) - Cat. 3 [H311]
Environmental Hazard (acute) - Cat. 1 [H400]
Environmental Hazard (chronic) - Cat. 2 [H411]

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>= 0.1 < 0.5% EU Specific Identifiers: N° EU REACH: 01-2119638275-36 EC CAS: 0006259-76-3 Hexyl Salicylate N° EINECS: 228-408-6	Skin Sensitization - Cat. 1B [H317] Environmental Hazard (acute) - Cat. 1 [H400] Environmental Hazard (chronic) - Cat. 1 [H410]
>= 0.1 < 0.5% EU Specific Identifiers: EC CAS: 0000080-71-7 2-Cyclopenten-1-One, 2-Hydroxy-3-Methyl- N° EINECS: 201-303-2	Skin Sensitization - Cat. 1 [H317] Acute Toxicity (oral) - Cat. 4 [H302]
>= 0.1 < 0.5% EU Specific Identifiers: N° EU REACH: 01-2119983608-21 EC CAS: 0000120-57-0 1,3-Benzodioxole-5-Carboxaldehyde N° EINECS: 204-409-7	Skin Sensitization - Cat. 1B [H317]
>= 0.1 < 0.5% EU Specific Identifiers: N° EU REACH: 01-2119453995-23 EC CAS: 0000106-22-9 Citronellol N° EINECS: 203-375-0	Skin Sensitization - Cat. 1B [H317] Skin Irritation - Cat. 2 [H315] Eye Irritation - Cat.2 [H319]
>= 0.1 < 0.5% EU Specific Identifiers: N° EU REACH: 01-2119489989-04 Other Identifiers: Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- N° CAS: 0054464-57-2	Skin Sensitization - Cat. 1B [H317] Skin Irritation - Cat. 2 [H315] Environmental Hazard (chronic) - Cat. 1 [H410]
>= 0.1 < 0.5% EU Specific Identifiers: EC CAS: 0000099-49-0 Carvone (Iso) N° EINECS: 202-759-5 N° Index : 606-148-00-8	Skin Sensitization - Cat. 1B [H317]
>= 0.1 < 0.5% EU Specific Identifiers: N° EU REACH: 01-2120762042-65 EC CAS: 0000105-85-1 6-Octen-1-Ol, 3,7-Dimethyl-, Formate N° EINECS: 203-338-9	Skin Sensitization - Cat. 1B [H317] Skin Irritation - Cat. 2 [H315]

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>= 0.1 < 0.5%

EU Specific Identifiers:

N° EU REACH: 01-2120780478-40

EC CAS: 0000099-85-4

1,4-Cyclohexadiene, 1-Methyl-4-(1-Methylethyl)-

N° EINECS: 202-794-6

Reproductive Toxicity - Cat. 2 [H361]

Aspiration Hazard - Cat. 1 [H304]

Environmental Hazard (chronic) - Cat. 2 [H411]

Flammable Liquid - Cat. 3 [H226]

0 < 0.1%

EU Specific Identifiers:

N° EU REACH: 01-2119535122-53

EC CAS: 0071048-82-3

2-Buten-1-One, 1-[(1r,2s)-2,6,6-Trimethyl-3-

Cyclohexen-1-Yl]-, (2e)-Rel-

N° EINECS: 275-156-8

Skin Sensitization - Cat. 1A [H317]

Acute Toxicity (oral) - Cat. 4 [H302]

Skin Irritation - Cat. 2 [H315]

Environmental Hazard (acute) - Cat. 1 [H400]

Environmental Hazard (chronic) - Cat. 1 [H410]

0 < 0.1%

EU Specific Identifiers:

N° EU REACH: 01-2120223682-61

EC CAS: 0005932-68-3

(E)-2-Methoxy-4-(Prop-1-Enyl)Phenol

N° EINECS: 227-678-2

N° Index : 604-094-00-X

Skin Sensitization - Cat. 1A [H317]

Acute Toxicity (oral) - Cat. 4 [H302]

Acute Toxicity (dermal) - Cat. 4 [H312]

Acute Toxicity (inhalation) - Cat. 4 [H332]

Specific Target Organ Toxicity - Single Exposure -

Cat. 3 Respiratory Irritation [H335]

Skin Irritation - Cat. 2 [H315]

Eye Irritation - Cat.2 [H319]

SCL/M-factor/ATE:

EC CAS 0000080-71-7 ATE (oral): 1067 mg/kg bw

EC CAS 0000091-64-5 ATE (oral): 500 mg/kg bw

EC CAS 0000104-54-1 ATE (oral): 2000 mg/kg bw

EC CAS 0000104-55-2 H317 (Cat. 1A): C >= 0.01%

EC CAS 0000120-51-4 ATE (oral): 1160 mg/kg bw

EC CAS 0000123-68-2 ATE (dermal): 300 mg/kg bw

ATE (oral): 218 mg/kg bw

EC CAS 0001506-02-1 ATE (oral): 1000 mg/kg bw

EC CAS 0004360-47-8 ATE (dermal): 1100 mg/kg bw

ATE (oral): 100 mg/kg bw

EC CAS 0005932-68-3 ATE (dermal): 1912 mg/kg bw

ATE (oral): 542 mg/kg bw

H317 (Cat. 1A): C >= 0.01%

EC CAS 0007785-26-4 ATE (oral): 500 mg/kg bw

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EC CAS 0010411-92-4	ATE (oral): 500 mg/kg bw
EC CAS 0067634-00-8	ATE (dermal): 1100 mg/kg bw ATE (inhalation, dust or mists): 0.46 mg/l ATE (oral): 500 mg/kg bw
EC CAS 0071048-82-3	ATE (oral): 1400 mg/kg bw

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures

General information:

As in all cases of potential poisoning, Obtain medical advice immediately.

In case of eye contact:

Irrigate copiously with water for at least 10 minutes. Obtain medical advice if any irritation or evidence of tissue damage persists.

In case of inhalation:

Remove the individual to fresh air and keep at rest. Obtain medical advice immediately.

In case of skin contact:

Remove contaminated clothes. Wash skin with large volumes of water.

If irritation persists, or any sign of tissue damage is apparent, obtain medical advice immediately.

In case of ingestion:

Rinse mouth with water. Obtain medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

No information available on the product itself.

4.3 Indication of immediate medical attention and special treatment needed

None known.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

In the event of fire, adequate extinguishers should be used. Avoid inhalation of smoke and fumes. In case of insufficient ventilation, wear suitable respiratory equipment.

5.2 Special hazard arising from the substance or mixture

No specific hazard known.

5.3 Advice for fire-fighters

No specific advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Adequate protective gloves should be worn when handling spillages. No smoking. Avoid naked flames or other potential sources of ignition (eg. electrical equipment).

Avoid skin contamination and inhalation of vapour.

Individual washing routines should be followed after any potential contact.

Ensure adequate ventilation in working areas following accidental releases.

For emergency personnel:

Apply the same recommendations as section 6.1

6.2 Environmental precautions

Do not discharge directly into drains, air, into soil or into the aquatic environment.

6.3 Methods and material for containment and cleaning up

For containment:

Any absorbent used for cleaning up spillage should be disposed promptly, accordingly to local regulation.

Gross spillages should be contained by any means, and disposal of this should be in accordance with Government Regulations.

WARNING: This compound contains one or more chemicals that may auto-oxidize. Rags used to wipe up spills, or activated carbon used to absorb vapors of this compound, may spontaneously ignite (auto-oxidation) if improperly disposed of. Dispose of all waste material in water filled containers.

For cleaning-up:

Spillages should be disposed of in accordance with Governmental Regulations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Wear adequate protective gloves protection and eye/face protection.

No smoking. Avoid any sources of ignition.

Avoid exposing to high temperature during processing.

Do not ingest or apply to the skin as such. Good personal washing routines should be followed.

Maintain adequate local and general ventilation where product is handled.

Protective measures

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

Advice on general occupational hygiene

Good personal washing routines should be followed.

7.2 Conditions for safe storage, including any incompatibilities

It is good general practice to store in closed, preferably full, containers away from heat sources, and protected from extremes of temperature. Do not re-use the empty container.

Respect general rules for compatibility storage.

7.3 Specific end use(s)

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Not available at this time.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

0000123-92-2 : Isoamyl acetate or Isopentyl acetate

Greece OEL Data

Short Term Exposure Limit (STEL): 150 ppm

Short Term Exposure Limit (STEL): 800 mg/m³

Time Weighted Average (TWA): 100 ppm

Time Weighted Average (TWA): 530 mg/m³

0000123-92-2 : Isopentylacetate

EU Exposure Limit Values Data

Short Term Exposure Limit (STEL): 100 ppm

Short Term Exposure Limit (STEL): 540 mg/m³

Time Weighted Average (TWA): 270 mg/m³

Time Weighted Average (TWA): 50 ppm

0000128-37-0 : Butylated hydroxytoluene

Greece OEL Data

Time Weighted Average (TWA): 10 mg/m³

Derived No Effect Level (DNEL)

No data available

Predicted No Effect Concentration (PNEC)

No data available

8.2 Exposure controls

Avoid exposing to high temperature during processing.

Maintain adequate local and general ventilation where product is handled.

Appropriate engineering controls

Maintain adequate local and general ventilation where product is handled and dispensed.

Environmental exposure controls

Not available at this time. Minimize release to the environment.

Personal protection

Respiratory protection: Where ventilation (LEV) is inadequate to prevent any inhalation of substances, use adequate respiratory apparatus.

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Hand protection: Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals. Preferred glove barrier materials: Neoprene and Nitrile. When prolonged or frequently repeated contact may occur, a glove with a protection class of 4 or higher (breakthrough time greater than 120 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 1 or higher (breakthrough time greater than 10 minutes according to EN 374) is recommended. Thickness > or = 0,2mm.

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Eye protection: Adequate safety glasses should be used.

Skin protection: Wear protective clothing, overall if necessary to limit the odour contamination of personal clothing. Individual washing routines should be followed after any potential contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical form:	LIQUID
Colour :	Not determined
Odour :	Characteristic strong odour according to the commercial description of the substance.
Melting point/freezing point (°C):	Not determined
Boiling point or initial boiling point and boiling range (°C):	> 40°C
Flammability:	The product is not flammable.
Lower and upper explosion limit:	Not determined
Flash point:	= 68°C
Auto-ignition temperature (°C) :	Not determined
Decomposition temperature :	No decomposition if stored and applied as directed.
pH:	Not determined
Kinematic viscosity:	Not determined
Water solubility (20°C) :	Not applicable, the product is a mixture
Partition coefficient n-octanol/water (log value):	Not applicable, the product is a mixture
Vapour pressure (Pa) :	Not determined
Density and/or relative density:	Not determined
Relative vapour density:	Not determined
Particle characteristics:	Not applicable, the product is a liquid

9.2 Other information

9.2.1. Information with regard to physical hazard classes

None

9.2.2. Other safety characteristics

None

GHS Safety Data Sheet

According to Regulation (EC) no 2020/878

This Safety Data Sheet cancels and replaces all preceding SDS for this product.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No reaction known with water.

10.2 Chemical stability

Good stability at standard temperature.

10.3 Possibility of hazardous reactions

Not known.

10.4 Conditions to avoid

Avoid temperatures above or at least 5 °C below flash point for any flammable liquids.

Do not heat closed containers.

Avoid contact with oxidizing agents.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

Contact with water or storage under recommended conditions for one year should not produce dangerous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

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

This mixture has not been subjected to toxicological testing as an entity. According to available data on the constituents the health classification criteria are met.

(a) acute toxicity

Calculated LD50 Oral: LD50 > 2000 mg/kg bw

(b) skin corrosion/irritation

Skin Irritation - Cat. 2

(c) serious eye damage/irritation

Eye Irritation - Cat.2

(d) respiratory or skin sensitisation

Skin Sensitization - Cat. 1

(e) germ cell mutagenicity

Not applicable

(f) carcinogenicity

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Not applicable

(g) reproductive toxicity
Not applicable

(h) STOT-single exposure
Not applicable

(i) STOT-repeated exposure
Not applicable

(j) aspiration hazard
Not applicable

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The substance/mixture contains no constituent identified as having endocrine disrupting properties according to REACH Article 59(1) or Commission Delegated regulation (EU) 2017/2100 at a concentration equal to or greater than 0.1%.

11.2.2 Other information
No data available

SECTION 12: ECOLOGICAL INFORMATION

This mixture has not been subjected to ecotoxicological testing as an entity. According to available data on the constituents the environmental classification criteria are met.

12.1 Toxicity

Environmental Hazard (acute) - Cat. 1
Environmental Hazard (chronic) - Cat. 2

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment

According to Annex XIII of REACH Regulation, the substance/mixture contains no constituent considered either Persistent, Bioaccumulative and Toxic (PBT), or very Persistent and very Bioaccumulative (vPvB) at a concentration equal to or greater than 0.1%.

12.6 Endocrine disrupting properties

GHS Safety Data Sheet

According to Regulation (EC) no 2020/878

This Safety Data Sheet cancels and replaces all preceding SDS for this product.

The substance/mixture contains no constituent considered to have endocrine disrupting properties according to REACH Article 59(1) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%.

12.7 Other adverse effects
No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Dispose of as special waste in compliance with local and national regulations. Do not dump into any sewers, on the ground, or into any body of water.

Contaminated packaging: for used, contaminated and residual materials additional evaluations may be required.

European waste disposal number: No waste code from the European waste catalog can be assigned to this product, because only the use made by the user allows this attribution. The waste code is established in consultation with waste disposal services.

SECTION 14: TRANSPORT INFORMATION

In case of accidental spillage or fire during transport, refer to instructions given under points 5, 6, 7 and 8 above.

UNO

14.1 UN-No:	3082
14.2 Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexahydrohexamethylindenopyran)
14.3 Class:	9
14.4 Packing Group:	III
14.5 Environmental hazards:	Yes

Land transport (ADR/RID)

14.1 UN-No:	3082
14.2 Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAHYDROHEXAMETHYLINDENOPYRAN)
14.3 Class:	9
14.4 Packing Group:	III
14.5 Environmental hazards:	Yes
14.6 Special precautions for user:	Refer to section 7
14.7 Maritime transport in bulk according to IMO instruments:	Not applicable

GHS Safety Data Sheet

According to Regulation (EC) no 2020/878

This Safety Data Sheet cancels and replaces all preceding SDS for this product.

Sea transport (IMDG-Code)

14.1 UN-No:	3082
14.2 Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAHYDROHEXAMETHYLINDENOPYRAN)
14.3 Class:	9
14.4 Packing Group:	III
14.5 Environmental hazards:	Yes
Marine pollutant:	Yes
14.6 Special precautions for user:	Refer to section 7
14.7 Maritime transport in bulk according to IMO instruments:	Not applicable

Air transport (ICAO-IATA)

14.1 UN-No:	3082
14.2 Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexahydrohexamethylindenopyran)
14.3 Class:	9
14.4 Packing Group:	III
14.5 Environmental hazards:	Not applicable
14.6 Special precautions for user:	Refer to section 7
14.7 Maritime transport in bulk according to IMO instruments:	Not applicable

SECTION 15: REGULATORY INFORMATION

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

European Regulations

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Substances of very high concern (SVHC):

None

Authorisations:

None

Restrictions of use:

GHS Safety Data Sheet

According to Regulation (EC) no 2020/878

This Safety Data Sheet cancels and replaces all preceding SDS for this product.

None

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revisions

March-2024 : Version 13.0 - Updates to sections 1, 2, 3, 9, 14, 15, 16

July-2024: Version 13.1 - Updates to sections 15, 16

Key literature references

RIFM database

REACH

Supplier information

Full text of phrases used under section 2

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P337	If eye irritation persists:

Full text of phrases used under section 3

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.

GHS Safety Data Sheet

According to Regulation (EC) no 2020/878

This Safety Data Sheet cancels and replaces all preceding SDS for this product.

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
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.
H412	Harmful to aquatic life with long lasting effects.

We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and the conditions of use of the product are not within the control of MG, it is the user's obligation to determine conditions of safe use of the product.

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