



SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: GAIN TYPE A61564

Version: 2

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: GAIN TYPE A61564

Other identifiers: None

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

Product uses: Fragrance

1.3 Details of the supplier of the safety data sheet

Company name: Candles and Supplies
Company address: 2580 Milford Square Pike
 Quakertown PA 18951

Contact: Regulatory Affairs

E-Mail address: info@candlesandsupplies.com

Company phone: 215-538-8552

1.4 Emergency telephone number

Emergency phone: 800-819-6118

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Class and category of danger: Flammable Liquid, Hazard Category 4
 Acute Toxicity - Oral Category 5
 Skin Corrosion / Irritation Category 2
 Eye Damage / Irritation Category 2
 Sensitization - Skin Category 1
 Toxic to Reproduction Category 2
 Hazardous to the Aquatic Environment - Acute Hazard Category 1
 Hazardous to the Aquatic Environment - Long-term Hazard Category 2
 H227, Combustible liquid.
 H303, May be harmful if swallowed.
 H315, Causes skin irritation.
 H317, May cause an allergic skin reaction.
 H319, Causes serious eye irritation.
 H361, Suspected of damaging fertility or the unborn child (exposure route).
 H400, Very toxic to aquatic life.
 H411, Toxic to aquatic life with long lasting effects.



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2.2 Label elements

Signal word: Warning

Hazard statements:

- H227, Combustible liquid.
- H303, May be harmful if swallowed.
- H315, Causes skin irritation.
- H317, May cause an allergic skin reaction.
- H319, Causes serious eye irritation.
- H361, Suspected of damaging fertility or the unborn child (exposure route).
- H400, Very toxic to aquatic life.
- H411, Toxic to aquatic life with long lasting effects.

Precautionary statements:

- P202, Do not handle until all safety precautions have been read and understood.
- P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
- P261, Avoid breathing vapour or dust.
- P264, Wash hands and other contacted skin thoroughly after handling.
- P272, Contaminated work clothing should not be allowed out of the workplace.
- P273, Avoid release to the environment.
- P280, Wear protective gloves/eye protection/face protection.
- P302/352, IF ON SKIN: Wash with plenty of soap and water.
- P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308/313, IF exposed or concerned: Get medical advice/attention.
- P312, Call a POISON CENTRE or doctor/physician if you feel unwell.
- P333/313, If skin irritation or rash occurs: Get medical advice/attention.
- P337/313, If eye irritation persists: Get medical advice/attention.
- P362, Take off contaminated clothing and wash before reuse.
- P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
- P391, Collect spillage.
- P403/235, Store in a well-ventilated place. Keep cool.
- P405, Store locked up.
- P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:



Other hazards: None



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Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	%	GHS Classification
Benzyl benzoate	120-51-4	204-402-9	20-<50%	ATO 4-ATD 5-EH A1-EH C2;H302-H313-H400-H411
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran	1222-05-5	214-946-9	10-<20%	SCI 3-EH A1-EH C1;H316-H410
alpha-Hexylcinnamaldehyde	101-86-0	202-983-3	5-<10%	ATO 5-SCI 3-SS 1B-EH A1-EH C2;H303-H316-H317-H400-H411
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (Fixolid)	1506-02-1	216-133-4	5-<10%	ATO 4-EH A1-EH C1;H302-H410
alpha-iso-Methylionone	127-51-5	204-846-3	5-<10%	SCI 2-EDI 2B-SS 1B-EH A2-EH C2;H315-H317-H320-H411
4-tert-Butylcyclohexyl acetate	32210-23-4	250-954-9	1-<5%	ATO 5-SS 1B-EH A2;H303-H317-H401
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	54464-57-2	915-730-3	1-<5%	SCI 2-SS 1B-EH A2-EH C1;H315-H317-H401-H410
p-t-Butyl-alpha-methylhydrocinnamic aldehyde	80-54-6	201-289-8	1-<5%	FL 4-ATO 4-SCI 2-SS 1B-REP 2-EH A2-EH C2;H227-H302-H315-H317-H361-H411
Acetoxidyhydrodicyclopentadiene (Mixture of Isomers)	54830-99-8	911-369-0	1-<5%	ATO 5-SCI 3-EH A3-EH C3;H303-H316-H412
Benzyl acetate	140-11-4	205-399-7	1-<5%	ATO 5-SCI 3-EH A2-EH C3;H303-H316-H401-H412
Dihydromyrcenol	18479-58-8	242-362-4	1-<5%	FL 4-ATO 5-SCI 2-EDI 2A-EH A3;H227-H303-H315-H319-H402
(Z)-3,4,5,6,6-Pentamethylhept-3-en-2-one	81786-73-4	279-822-9	1-<5%	FL 4-SS 1B-EH A2-EH C2;H227-H317-H411
Allyl cyclohexanepropionate	2705-87-5	220-292-5	1-<5%	ATO 4-ATD 4-ATI 4-SS 1-EH A1-EH C1;H302-H312-H317-H332-H410
Tricyclodecanyl propionate	17511-60-3	241-514-7	1-<5%	SCI 3-EH A2-EH C2;H316-H411
Linalool	78-70-6	201-134-4	0.1-<1%	FL 4-ATO 5-SCI 2-EDI 2A-EH A3;H227-H303-H315-H319-H402
Piperonal	120-57-0	204-409-7	0.1-<1%	ATO 5-SS 1B-EH A2;H303-H317-H401
alpha-Amylcinnamaldehyde	122-40-7	204-541-5	0.1-<1%	ATO 5-SCI 3-SS 1B-EH A2-EH C2;H303-H316-H317-H411
alpha-Terpineol	98-55-5	202-680-6	0.1-<1%	FL 4-ATO 5-SCI 2-EDI 2A-EH A2;H227-H303-H315-H319-H401
Geraniol	106-24-1	203-377-1	0.1-<1%	ATO 5-SCI 2-EDI 1-SS 1-EH A3;H303-H315-H317-H318-H402
2-Methylundecanal	110-41-8	203-765-0	0.1-<1%	FL 4-SCI 2-SS 1B-EH A1-EH C1;H227-H315-H317-H410
Eugenol	97-53-0	202-589-1	0.1-<1%	ATO 5-SCI 3-EDI 2A-SS 1B-EH A2;H303-H316-H317-H319-H401
Lauric aldehyde	112-54-9	203-983-6	0.1-<1%	SCI 2-EDI 2A-SS 1B;H315-H317-H319

Substances with Community workplace exposure limits, not listed above:

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

IF ON SKIN: Wash with plenty of soap and water.



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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Call a POISON CENTRE or doctor/physician if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

May be harmful if swallowed.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child (exposure route).

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.



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Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Not determined
Odour:	Not determined
pH:	Not determined
Initial boiling point / range:	Not determined
Flash point:	> 74 °C
Vapour pressure:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined



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9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in UN GHS.

May be harmful if swallowed.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child (exposure route).

Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity: 2160

Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity: >5000

Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: Not Available

Inhalation Route: Not Available

Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	1506-02-1	216-133-4	1000	Not available	Not available	Not available



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(Fixolid)		216-133-4	1000	Not available	Not available	Not available
Allyl cyclohexanepropionate	2705-87-5	220-292-5	480	1600	11	Vapour
Benzyl benzoate	120-51-4	204-402-9	1500	4000	Not available	Not available
p-t-Butyl-alpha-methylhydrocinnamic aldehyde	80-54-6	201-289-8	1390	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information

12.1 Toxicity:

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

14.1 UN number: UN3082

14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl) ethan-1-one (Fixolid))

14.3 Transport hazard class(es): 9

Sub Risk: -

14.4. Packing Group: III

14.5 Environmental hazards: This is an environmentally hazardous substance.

14.6 Special precautions for user: None additional



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14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

Section 15. Regulatory information

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

None additional

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information

Concentration % Limits: EH A1=35.91% EH A2=3.49% EH A3=0.34851426% EH C2=9.28% EH C3=0.92659123% EH C4=28.38% SCI 2=74.29% SCI 3=5.57% EDI 2A=92.86% SS 1=16.25% REP 2=97.50%

Total Fractional Values: EH A1=2.78 EH A2=28.68 EH A3=286.93 EH C2=10.78 EH C3=107.92 EH C4=3.52 SCI 2=1.35 SCI 3=17.96 EDI 2A=1.08 SS 1=6.15 REP 2=1.03

Key to revisions:

Not applicable

Key to abbreviations:

Abbreviation	Meaning
ATD 4	Acute Toxicity - Dermal Category 4
ATD 5	Acute Toxicity - Dermal Category 5
ATI 4	Acute Toxicity - Inhalation Category 4
ATO 4	Acute Toxicity - Oral Category 4
ATO 5	Acute Toxicity - Oral Category 5
EDI 1	Eye Damage / Irritation Category 1
EDI 2A	Eye Damage / Irritation Category 2A
EDI 2B	Eye Damage / Irritation Category 2B
EH A1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
EH A2	Hazardous to the Aquatic Environment - Acute Hazard Category 2
EH A3	Hazardous to the Aquatic Environment - Acute Hazard Category 3
EH C1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
EH C2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
EH C3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
FL 4	Flammable Liquid, Hazard Category 4
H227	Combustible liquid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H312	Harmful in contact with skin.



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H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child (exposure route).
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful 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.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.



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REP 2	Toxic to Reproduction Category 2
SCI 2	Skin Corrosion / Irritation Category 2
SCI 3	Skin Corrosion / Irritation Category 3
SS 1	Sensitization - Skin Category 1
SS 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.