



Sheen car air freshener - Strawberry

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

Issue date: 28/10/2020

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Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : Sheen car air freshener - Strawberry
Type of product : Air freshener
Product code : SH1186
Product group : Trade product

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

No additional information available

1.3. Supplier's details

Manufacturer

Shield Chemicals (Pty) Ltd
9 London Rd
Apex
P.O. Box 1939
1501 Benoni - South Africa
T (011) 421 7111
info@shieldchem.co.za

1.4. Emergency telephone number

Emergency number : (011) 421 7111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Skin corrosion/irritation, Category 2 H315

Hazardous to the aquatic environment - Acute Hazard Not classified

Hazardous to the aquatic environment - Chronic Hazard Not classified

Full text of H statements : see section 16

2.2. Label elements

Labelling according to the United Nations GHS

Hazard pictograms (GHS-ZA) :



GHS07

Signal word (GHS-ZA) : Warning
Hazardous ingredients : Ethyl butyrate; ethyl methylphenylglycidate; Ethyl isovalerate; Cis-hex-3-en-1-ol; Methyl cinnamate; undecan-4-olide
Hazard statements (GHS-ZA) : H315 - Causes skin irritation.
Precautionary statements (GHS-ZA) : P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear eye protection, protective clothing, protective gloves.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice.
P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Causes skin irritation.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Sheen car air freshener - Strawberry

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Ethyl butyrate		5.0 - 10.0	Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
ethyl methylphenylglycidate	(CAS-No.) 77-83-8	5.0 - 10.0	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Aquatic Acute 2, H401
Ethyl isovalerate		1.0 - 5.0	Flam. Liq. 2, H225 Acute Tox. 5 (Oral), H303 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Cis-hex-3-en-1-ol	(CAS-No.) 928-96-1	1.0 - 5.0	Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 STOT RE Not classified Aquatic Acute 3, H402
Methyl cinnamate	(CAS-No.) 103-26-4	1.0 - 5.0	Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) Aquatic Acute 2, H401
undecan-4-olide	(CAS-No.) 104-67-6	1.0 - 5.0	Flam. Liq. Not classified Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Aquatic Acute 2, H401

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

- Symptoms/effects after skin contact : Irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Mechanically recover the product.
- Other information : Dispose of materials or solid residues at an authorized site.

Sheen car air freshener - Strawberry

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

- Hand protection : Protective gloves
- Eye protection : Safety glasses
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Solid.
- Colour : light blue.
- Odour : Strawberry.
- Odour threshold : No data available
- pH : No data available
- pH solution : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Relative evaporation rate (ether=1) : No data available
- Melting point : No data available
- Freezing point : Not applicable
- Boiling point : No data available
- Flash point : Not applicable
- Auto-ignition temperature : Not applicable
- Decomposition temperature : No data available
- Flammability (solid, gas) : Non flammable.
- Vapour pressure : No data available
- Vapour pressure at 50 °C : No data available
- Relative vapour density at 20 °C : No data available
- Relative density : No data available
- Relative density of saturated gas/air mixture : No data available
- Density : No data available
- Relative gas density : No data available
- Solubility : No data available
- Log Pow : No data available
- Log Kow : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available
- Explosive properties : No data available
- Oxidising properties : No data available
- Explosive limits : Not applicable

Sheen car air freshener - Strawberry

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

Lower explosive limit (LEL) : No data available
Upper explosive limit (UEL) : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Ethyl butyrate	
LD50 oral rat	≈ 2000 mg/kg
LD50 dermal rat	≈ 2000 mg/kg
ethyl methylphenylglycidate (77-83-8)	
LD50 oral rat	5470 mg/kg (Rat, Male / female, Weight of evidence, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)
Ethyl isovalerate	
LD50 oral rat	≈ 5000 mg/kg
LD50 dermal rat	≈ 2000 mg/kg
Cis-hex-3-en-1-ol (928-96-1)	
LD50 oral rat	4615 mg/kg bodyweight Animal: rat, 95% CL: 4045 - 6265
LC50 inhalation rat (mg/l)	> 4.99 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method)
Methyl cinnamate (103-26-4)	
LD50 oral rat	2610 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2000 - 3410
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
undecan-4-olide (104-67-6)	
LD50 oral rat	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 420, Rat, Male / female, Read-across, Oral)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

Sheen car air freshener - Strawberry

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

Cis-hex-3-en-1-ol (928-96-1)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified.

Hazardous to the aquatic environment, long-term (chronic) : Not classified.

Ethyl butyrate	
Log Kow	≈ 1.346
Log Pow	≈ 2.433

ethyl methylphenylglycidate (77-83-8)	
LC50 fish 1	4.2 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	36 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
Log Pow	2.4 - 2.8 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Log Koc	2.34 - 2.74 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)

Ethyl isovalerate	
LC50 fish 1	≈ 8.45 mg/l
EC50 72h algae (1)	75.3 - 124 mg/l

Cis-hex-3-en-1-ol (928-96-1)	
LC50 fish 1	> 100 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 Daphnia 1	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	> 76 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Methyl cinnamate (103-26-4)	
LC50 fish 1	2.76 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 Daphnia 1	24 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	7.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

undecan-4-olide (104-67-6)	
LC50 fish 1	21.5 mg/l (DIN 38412-15, 96 h, Leuciscus idus, Static system, Fresh water, Read-across, Nominal concentration)
EC50 Daphnia 1	5.853 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	5.94 mg/l (OECD 201: Alga, Growth Inhibition Test, 48 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
BCF other aquatic organisms 1	47.79 - 420.9 (BCFBAF v3.01, QSAR)
Log Pow	3.6 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Log Koc	2.60 - 2.85 (log Koc, SRC PCKOCWIN v2.0, QSAR)

12.2. Persistence and degradability

Sheen car air freshener - Strawberry	
Persistence and degradability	No additional information available

ethyl methylphenylglycidate (77-83-8)	
Persistence and degradability	Not readily biodegradable in water.

undecan-4-olide (104-67-6)	
Persistence and degradability	Readily biodegradable in water.

Sheen car air freshener - Strawberry

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

12.3. Bioaccumulative potential

Sheen car air freshener - Strawberry	
Bioaccumulative potential	No additional information available
Ethyl butyrate	
Log Pow	See section 12.1 on ecotoxicology
Log Kow	See section 12.1 on ecotoxicology
ethyl methylphenylglycidate (77-83-8)	
Log Pow	See section 12.1 on ecotoxicology
Log Koc	See section 12.1 on ecotoxicology
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
undecan-4-olide (104-67-6)	
BCF other aquatic organisms 1	See section 12.1 on ecotoxicology
Log Pow	See section 12.1 on ecotoxicology
Log Koc	See section 12.1 on ecotoxicology
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

Sheen car air freshener - Strawberry	
Mobility in soil	No additional information available
Ethyl butyrate	
Log Pow	See section 12.1 on ecotoxicology
Log Kow	See section 12.1 on ecotoxicology
ethyl methylphenylglycidate (77-83-8)	
Surface tension	59 N/m (19.6 °C, 0.79 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Log Pow	See section 12.1 on ecotoxicology
Log Koc	See section 12.1 on ecotoxicology
Ecology - soil	Low potential for adsorption in soil.
undecan-4-olide (104-67-6)	
Log Pow	See section 12.1 on ecotoxicology
Log Koc	See section 12.1 on ecotoxicology
Ecology - soil	Low potential for mobility in soil.

12.5. Other adverse effects

Ozone : Not classified
 Other adverse effects : No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

SANS	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available		

Sheen car air freshener - Strawberry

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

14.6. Special precautions for user

- SANS

No data available

- IMDG

No data available

- IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health, and environmental national regulations specific for the product

No additional information available

SECTION 16: Other information

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Full text of H-statements:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
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.

SDS South Africa

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.