

Issue date: 09/11/2024

Version: 3 (06/28/2024)

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: ZESTY FIZZ F50689

Version: 3

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

1.1 Product Identifier

Product identifier: ZESTY FIZZ F50689(Contains:Citral, alpha-Hexylcinnamaldehyde, d-Limonene, delta-1-(2,6,6-

Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one)

Other identifiers: None

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

Product uses: Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: Aromatic Fragrances International, Inc

Company address: 85 Wansley Drive SE

Cartersville GA 30121 USA

Contact: Regulatory Affairs

E-Mail address: regulatory@afi-usa.com

Company phone: 770-334-3906

1.4 Emergency telephone number

Emergency phone: 770-334-3906

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Class and category of Skin Corrosion / Irritation Category 2 danger: Sensitization - Skin Category 1

Hazardous to the Aquatic Environment - Acute Hazard Category 2
Hazardous to the Aquatic Environment - Long-term Hazard Category 2

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H411, Toxic to aquatic life with long lasting effects.

2.2 Label elements

Signal word: Warning

Hazard statements: H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H411, Toxic to aquatic life with long lasting effects.

Precautionary

P261, Avoid breathing vapour or dust.

statements: 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.





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P280, Wear protective gloves/eye protection/face protection. P302/352, IF ON SKIN: Wash with plenty of soap and water.

P333/313, If skin irritation or rash occurs: Get medical advice/attention.

P362, Take off contaminated clothing and wash before reuse.

P391, Collect spillage.

P501, Dispose of contents/container to approved disposal site, in accordance with local

regulations.



Pictograms:

2.3 Other hazards

Other hazards: None

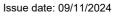
Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	%	GHS Classification
Methyl dihydrojasmonate	24851-98-7	5-<10%	Aquatic Acute 3;H402
alpha-Terpineol acetate	80-26-2	5-<10%	Aquatic Acute 2;H401
alpha-Hexylcinnamaldehyde	101-86-0	1-<5%	Acute Tox. 5-Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 2;H303-H317-H400-H411
2,4,6-Trimethyl-4-phenyl-1,3- dioxane	5182-36-5	1-<5%	Acute Tox. 4-Aquatic Acute 3-Aquatic Chronic 3;H302-H412
d-Limonene	5989-27-5	1-<5%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1- Aquatic Acute 1-Aquatic Chronic 3;H226-H304-H315- H317-H400-H412
I-Menthol	2216-51-5	1-<5%	Acute Tox. 5-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2B- Aquatic Acute 3;H303-H315-H320-H333-H402
1,3,4,6,7,8-Hexahydro- 4,6,6,7,8,8- hexamethylcyclopenta-gamma- 2-benzopyran	1222-05-5	1-<5%	Aquatic Acute 1-Aquatic Chronic 1;H410
Citral	5392-40-5	1-<5%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1-Aquatic Acute 2; H313-H315-H317-H319-H401
alpha-Methylbenzyl acetate	93-92-5	1-<5%	Flam. Liq. 4-Aquatic Acute 3;H227-H402
gamma-Undecalactone	104-67-6	1-<5%	Aquatic Acute 3-Aquatic Chronic 3;H412
I-Menthone	14073-97-3	1-<5%	Flam. Liq. 4-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B- Aquatic Acute 3-Aquatic Chronic 3;H227-H302-H315- H317-H412
dl-Citronellol	106-22-9	1-<5%	Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B- Aquatic Acute 2;H303-H313-H315-H317-H319-H401
Benzyl acetate	140-11-4	1-<5%	Acute Tox. 5-Aquatic Acute 2-Aquatic Chronic 3;H303- H401-H412





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Allyl cyclohexanepropionate	2705-87-5	1-<5%	Acute Tox. 4-Acute Tox. 4-Acute Tox. 4-Skin Sens. 1-Aquatic Acute 1-Aquatic Chronic 1;H302-H312-H317-H332-H410
Ethyl maltol	4940-11-8	1-<5%	Acute Tox. 4-Aquatic Acute 2;H302-H401
Allyl hexanoate	123-68-2	0.1-<1%	Flam. Liq. 4-Acute Tox. 3-Acute Tox. 3-Acute Tox. 3-Aquatic Acute 1-Aquatic Chronic 3;H227-H301-H311-H331-H400-H412
delta-1-(2,6,6-Trimethyl-3- cyclohexen-1-yl)-2-buten-1-one	57378-68-4	0.1-<1%	Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1A-Aquatic Acute 1-Aquatic Chronic 1;H302-H315-H317-H410
3-(o-Ethylphenyl)-2,2- dimethylpropionaldehyde	67634-14-4	0.1-<1%	Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 2;H315-H317-H400-H411
Dimethylcyclohex-3-ene-1- carbaldehyde (isomer unspecified)	27939-60-2	0.1-<1%	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 2;H227-H303-H315-H317-H319-H411
Linalyl acetate	115-95-7	0.1-<1%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2B-Skin Sens. 1B- Aquatic Acute 3;H227-H315-H317-H320-H402
alpha-Methyl-1,3-benzodioxole- 5-propionaldehyde	1205-17-0	0.1-<1%	Acute Tox. 5-Skin Sens. 1B-Repr. 2-Aquatic Acute 2- Aquatic Chronic 2;H303-H317-H361-H411
Ethylene dodecanedioate	54982-83-1	0.1-<1%	Acute Tox. 5-Aquatic Acute 1-Aquatic Chronic 3;H303-H400-H412
Eucalyptol	470-82-6	0.1-<1%	Flam. Liq. 3-Acute Tox. 5-Eye Irrit. 2B-Skin Sens. 1B-Aquatic Acute 3;H226-H303-H317-H320-H402
(+)-Neomenthol	2216-52-6	0.1-<1%	Flam. Liq. 4-Acute Tox. 5-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2B-Aquatic Acute 3;H227-H303-H315-H320-H333-H402
Ethyl hexanoate	123-66-0	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Aquatic Acute 2;H226-H315- H401
Methyl 2-nonenoate	111-79-5	0.1-<1%	Flam. Liq. 4-Aquatic Acute 1-Aquatic Chronic 2;H227- H400-H411
4,5,6,7-Tetrahydro-3,6- dimethylbenzofuran	494-90-6	0.1-<1%	Flam. Liq. 4-Acute Tox. 4-Skin Irrit. 2-Eye Irrit. 2A- Aquatic Acute 2-Aquatic Chronic 2;H227-H302-H315- H319-H411
d,I-Isomenthone	491-07-6	0.1-<1%	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Skin Sens. 1B- Aquatic Acute 3;H227-H303-H315-H317-H402
Dihydromyrcenol	18479-58-8	0.1-<1%	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A- Aquatic Acute 3;H227-H303-H315-H319-H402
Allyl (3-methylbutoxy)acetate	67634-00-8	0.1-<1%	Flam. Liq. 4-Acute Tox. 4-Acute Tox. 2-Skin Irrit. 2- Aquatic Acute 2;H227-H302-H315-H330-H401
beta-Pinene	127-91-3	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1- Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315- H317-H410
I-Limonene	5989-54-8	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1- Aquatic Acute 1-Aquatic Chronic 3;H226-H304-H315- H317-H400-H412
beta-Caryophyllene	87-44-5	0.1-<1%	Skin Sens. 1B-Asp. Tox 1-Aquatic Chronic 4;H304-H317-H413
gamma-Octalactone	104-50-7	0.1-<1%	Acute Tox. 5-Skin Irrit. 2-Aquatic Acute 3;H303-H315- H402
1-(1,2,3,4,5,6,7,8-Octahydro- 2,3,8,8-tetramethyl-2- naphthalenyl)ethanone	54464-57-2	0.1-<1%	Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 1;H315-H317-H401-H410

Substances with workplace exposure limits, not listed above:

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.



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Eye exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

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

Ingestion: Rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation.

May cause an allergic skin reaction.

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.

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.



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7.3 Specific end use(s):

Fragrances: 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: Free flowing liquid without sediment

Odour: Characteristic
Odour threshold: Not determined
pH: Not determined
Melting point / freezing point: Not determined
Initial boiling point / range: Not determined

Flash point: > 93 °C

Evaporation rate:Not determined **Flammability (solid, gas):**Not determined

Upper/lower flammability or explosive limits: Product does not present an explosion hazard

Vapour pressure:

Vapour density:

Not determined

Relative density:

-0.0050 - 0.0050

Solubility(ies):

Not determined

Partition coefficient: n-octanol/water:

Not determined

Auto-ignition temperature:

Not determined

Not determined



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Viscosity: Not determined Explosive properties: Not expected Oxidising properties: Not expected

9.2 Other information:

Refractive Index @ 20C: -0.0015 - 0.0015

Flash Point (Fahrenheit): > 200 °F

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.

Acute Toxicity: Based on available data the classification criteria are not met.

Acute Toxicity Oral >5000
Acute Toxicity Dermal >5000

Acute Toxicity Inhalation Not Available

Skin corrosion/irritation: Skin Corrosion / Irritation Category 2

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

Respiratory or skin sensitisation: Sensitization - Skin Category 1

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.



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

Information about hazardous ingredients in the mixture

G					
Ingredient	CAS	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
2,4,6-Trimethyl-4- phenyl-1,3-dioxane	5182-36-5	880	Not available	Not available	Not available
Allyl (3-methylbutoxy) acetate	67634-00-8	500	Not available	0.46	Dust/mist mg/l
Allyl cyclohexanepropionate	2705-87-5	480	1600	11	Not available
Allyl hexanoate	123-68-2	300	300	3	Not available
Benzyl acetate	140-11-4	2490	Not available	Not available	Not available
Citral	5392-40-5	Not available	2250	Not available	Not available
Ethyl maltol	4940-11-8	1200	Not available	Not available	Not available
alpha- Hexylcinnamaldehyde	101-86-0	3100	Not available	Not available	Not available
dl-Citronellol	106-22-9	3450	2650	Not available	Not available
I-Menthone	14073-97-3	500	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information

12.1 Toxicity:

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 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	14.2 UN Proper Shipping Name:	14.3	Sub Risk:	14.4. Packing
number:		Transport		Group:
		hazard class		
		(es):		





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UN Model Regulations	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Allyl cyclohexanepropionate)	9	-	III
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Allyl cyclohexanepropionate) MARINE POLLUTANT	9	-	III
ADR,RID,ADN	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Allyl cyclohexanepropionate)	9	-	III
ICAO TI	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Allyl cyclohexanepropionate)	9	-	III

14.5 Environmental hazards: This is classified as an environmentally hazardous substance under the UN

Model Regulations. This is classified as a Marine Pollutant under the IMDG

Code.

14.6 Special precautions for user: None additional

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

Not applicable

Section 15. Regulatory information



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Essential Oil Components:

Name	CAS	%
PEPPERMINT OIL INDIAN	8006-90-4	5-<10%
ORANGE ESSENCE OIL	8008-57-9	1-<5%
LEMON OIL CALIFORNIA	8008-56-8	0.1-<1%

Additional formulation properties

Name	CAS	%
Ethyl vanillin	121-32-4	0.1-<1%

Components listed on California's SB312

Name	CAS	%
HEXYL CINNAMIC ALDEHYDE (R)	101-86-0	1-<5%
LINALOOL	78-70-6	1-<5%
CITRAL	5392-40-5	1-<5%
PHENIRAT	103-60-6	0.1-<1%

US Department Of Transport Bulk Packing

Group:

Naturally-Occuring Materials on Prop65:

Name	CAS	%
Myrcene	123-35-3	
Pulegone (Naturally-Occurring)	89-82-7	

Section 16. Other information

Concentration % Limits: SCI 2=98.13% SCI 3=7.26% SS 1=16.67% EH A2=16.93% EH A3=1.67%

EH C2=50.46% EH C3=4.95%

Total Fractional Values: SCI 2=1.02 SCI 3=13.77 SS 1=6.00 EH A2=5.91 EH A3=59.71 EH C2=1.

98 EH C3=20.21

Key to revisions:

Concentration % Limits

SECTION 3: Composition/information on ingredients

Total Fractional Values

Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 2	Acute Toxicity - Inhalation Category 2
Acute Tox. 3	Acute Toxicity - Oral Category 3
Acute Tox. 3	Acute Toxicity - Dermal Category 3
Acute Tox. 3	Acute Toxicity - Inhalation Category 3
Acute Tox. 4	Acute Toxicity - Oral Category 4
Acute Tox. 4	Acute Toxicity - Dermal Category 4





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Acute Tox. 4 Acute Tox. 5 Acute Tox. 6 Acute	
Acute Tox. 5 Acute Tox. 6 Acute Acute Hornment - Acute Hazard Category 1 Acute Hazard Category 2 Acute Environment - Acute Hazard Category 3 Acute Chronic 1 Acute Environment - Acute Hazard Category 1 Acute Hazard Category 2 Acute Environment - Long-term Hazard Category 3 Acute Chronic 2 Acute Invicance Tox. 6 Acute Tox. 6 Acute Environment - Acute Hazard Category 2 Acute Environment - Long-term Hazard Category 2 Acute Invicance Acute Invicance Acute Invicance Acute Invicance Acute Invicance Acute Invican	
Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Aquatic Chronic 3 Aparadous to the Aquatic Environment - Long-term Hazard Category 2 Aquatic Chronic 3 Aquatic Chronic 3 Aquatic Chronic 4 Aspiration Hazardous to the Aquatic Environment - Long-term Hazard Category 2 Aquatic Chronic 3 Aquatic Chronic 4 Aspiration Hazardous to the Aquatic Environment - Long-term Hazard Category 2 Aquatic Chronic 3 Aquatic Chronic 4 Aspiration Hazard Category 1 Eye Irrit. 2A Eye Damage / Irritation Category 2 Eye Irrit. 2B Eye Damage / Irritation Category 2B Flam. Liq. 3 Flammable Liquid, Hazard Category 3 Flam. Liq. 4 Flammable Liquid, Hazard Category 4 Hazard Category 4 Hazardous to the Aquatic Environment - Long-term Hazard Category 4 Flam Liq. 4 Flammable Liquid, Hazard Category 2B Flam. Liq. 4 Flammable Liquid, Hazard Category 3 Flam. Liq. 4 Flammable Liquid, Hazard Category 4 Hazardous to the Aquatic Environment - Long-term Hazard Category 4 Hazardous to the Aquatic Environment - Long-term Hazard Category 4 Eye Damage / Irritation Category 2B Flam. Liq. 3 Flam. Liq. 4 Flammable Liquid, Hazard Category 3 Flam. Liq. 4 Flammable Liquid, Hazard Category 4 Hazardous to the Aquatic Environment - Long-term Hazard Category 4 Hazardous to the Aquatic Environment - Long-term Hazard Category 4 Flam. Liq. 4 Flammable Liquid, Hazard Category 2B Flam. Liq. 3 Flam. Liq. 4 Flammable Liquid, Hazard Category 2B Flam. Liq. 3 Flam. Liq. 4 Flammable Liquid, Hazard Category 2B Flam. Liq. 4 Flammable Liquid, Hazard Cate	
Aquatic Acute 2 Hazardous to the Aquatic Environment - Acute Hazard Category 2 Aquatic Acute 3 Hazardous to the Aquatic Environment - Acute Hazard Category 3 Aquatic Chronic 1 Hazardous to the Aquatic Environment - Long-term Hazard Category 1 Aquatic Chronic 2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2 Aquatic Chronic 3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 Aquatic Chronic 4 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 Aquatic Chronic 4 Hazardous to the Aquatic Environment - Long-term Hazard Category 4 Asp. Tox 1 Eye Irrit. 2A Eye Damage / Irritation Category 2A Eye Irrit. 2B Eye Damage / Irritation Category 2B Flam. Liq. 3 Flammable Liquid, Hazard Category 3 Flam. Liq. 4 Flammable Liquid, Hazard Category 4 H226 Flammable liquid and vapour. Combustible liquid. Toxic if swallowed. H301 H301 Toxic if swallowed. H302 Harmful if swallowed. H303 May be harmful if swallowed. H304 May be fatal if swallowed and enters airways. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H313 May be harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H330 Fatal if inhaled. H330 Fatal if inhaled.	
Aquatic Acute 3 Hazardous to the Aquatic Environment - Acute Hazard Category 3 Aquatic Chronic 1 Hazardous to the Aquatic Environment - Long-term Hazard Category 1 Aquatic Chronic 2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2 Aquatic Chronic 3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 Aquatic Chronic 4 Hazardous to the Aquatic Environment - Long-term Hazard Category 4 Asp. Tox 1 Eye Irrit. 2A Eye Damage / Irritation Category 2B Eye Irrit. 2B Eye Damage / Irritation Category 2B Eye Irrit. 2B Eye Damage / Irritation Category 3 Flam. Liq. 3 Flammable Liquid, Hazard Category 3 Flam. Liq. 4 Flammable Liquid, Hazard Category 4 H226 Flammable Liquid, Hazard Category 4 H227 Combustible liquid. Toxic if swallowed. H301 H302 Harmful if swallowed. H303 May be harmful if swallowed. H304 May be fatal if swallowed and enters airways. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H313 May be harmful in contact with skin. H314 May cause an allergic skin reaction. H319 Causes serious eye irritation. H330 Fatal if inhaled. H331 Toxic if inhaled.	
Aquatic Chronic 1 Hazardous to the Aquatic Environment - Long-term Hazard Category 1 Aquatic Chronic 2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2 Aquatic Chronic 3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 Aquatic Chronic 4 Hazardous to the Aquatic Environment - Long-term Hazard Category 4 Asp. Tox 1 Aspiration Hazard Category 1 Eye Irrit. 2A Eye Damage / Irritation Category 2A Eye Irrit. 2B Eye Damage / Irritation Category 2B Flam. Liq. 3 Flammable Liquid, Hazard Category 3 Flam. Liq. 4 Flammable Liquid, Hazard Category 4 H226 Flammable Liquid and vapour. Combustible liquid. Toxic if swallowed. H301 Toxic if swallowed. H302 Harmful if swallowed. H303 May be harmful if swallowed and enters airways. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H313 May be harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H330 Fatal if inhaled. H330 Fatal if inhaled.	
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H332 Harmful if inhaled.	
H333 May be 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.	
H413 May cause long lasting harmful effects to aquatic life.	
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.	





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P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe vapour or dust.
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.
P284	Wear respiratory protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/312	If inhaled: call a POISON CENTRE or doctor/physician if you feel unwell.
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.
P311	Call a POISON CENTRE or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
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.
P361	Remove/Take off immediately all contaminated clothing.
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.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
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.
Repr. 2	Toxic to Reproduction Category 2
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
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Skin Sens. 1	Sensitization - Skin Category 1
Skin Sens. 1A	Sensitization - Skin Category 1A
Skin Sens. 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.