

1. IDENTIFICATION

Product Name: Sinus Relief Fragrance

Other Names:

Product Use Description: Fragrance for Consumer Product.

Contact Information:	Organisation	Location	Telephone	Ask For
	Adelaide Moulding and Candle Supplies	7 Woodlands Terrace Edwardstown, South Australia, 5039	08 8294 0451	SDS Officer
	Poisons Information Centre		13 11 26	

2. HAZARD IDENTIFICATION

Classification of Substance: Flammable Liquid, Hazard Category 4
 Acute Toxicity - Oral Category 5
 Skin Corrosion / Irritation Category 2
 Eye Damage / Irritation Category 2
 Sensitization - Skin Category 1
 Carcinogenicity Category 2
 Hazardous to the Aquatic Environment - Acute Hazard Category 1
 Hazardous to the Aquatic Environment - Acute Hazard Category 2
 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.
 H400, Very toxic to aquatic life.
 H411, Toxic to aquatic life with long lasting effects.

Hazard Pictogram(s):



Signal Word: WARNING

Hazard Statements (s): 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.
 H351, Suspected of causing cancer (exposure route).
 H400, Very toxic to aquatic life.
 H411, Toxic to aquatic life with long lasting effects.

Precautionary Statements(s): 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.

Other Hazards: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

EC No	CAS No	Description	GHS Classification	Concentration
204-402-9	120-51-4	Benzyl benzoate	Acute Tox. 4-Acute Tox. 5-Aquatic Acute 1-Aquatic Chronic 2;H302-H313-H400-H411	20-<50%
226-394-6	5392-40-5	Citral	Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2ASkin Sens. 1B-Aquatic Acute 2;H313-H315-H317-H319-H401	10-<20%
207-431-5	470-82-6	Eucalyptol	Flam. Liq. 3-Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1B;H226-H303-H316-H317	10-<20%
246-495-9	24851-98-7	Methyl dihydrojasmonate	Aquatic Acute 3;H402	1-<5%
204-262-9	118-58-1	Benzyl salicylate	Acute Tox. 5-Eye Irrit. 2B-Skin Sens. 1BAquatic Acute 2-Aquatic Chronic 3;H303-H317-H320-H401-H412	1-<5%
203-347-8	105-95-3	Ethylene brassylate	Aquatic Acute 2;H401	1-<5%
227-815-6	5989-54-8	l-Limonene	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1BAsp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410	1-<5%
639-566-4	165184-98-5, 101-86-0	2-Hexyl-(E)-cinnamaldehyde	Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1BAquatic Acute 1-Aquatic Chronic 2;H303-H316-H317-H400-H411	1-<5%
214-946-9	1222-05-5	1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran	Skin Irrit. 3-Aquatic Acute 1-Aquatic Chronic 1;H316-H410	1-<5%
263-214-5	61792-11-8	3,7-Dimethyl-2,6-nonadienenitrile	Flam. Liq. 4-Acute Tox. 5-Aquatic Acute 2-Aquatic Chronic 2;H227-H303-H411	1-<5%
250-954-9	32210-23-4	4-tert-Butylcyclohexyl acetate	Acute Tox. 5-Skin Sens. 1B-Aquatic Acute 2;H303-H317-H401	1-<5%
204-541-5	122-40-7	Amyl cinnamal	Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1BAquatic Acute 2-Aquatic Chronic 2;H303-H316-H317-H411	1-<5%
201-291-9	80-56-8	alpha Pinene	Flam. Liq. 3-Acute Tox. 5-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H303-H304-H315-H317-H410	0.1-<1%
204-881-4	128-37-0	Butylated hydroxytoluene	Aquatic Acute 1-Aquatic Chronic 1;H410	0.1-<1%
227-813-5	5989-27-5	Limonene	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1BAsp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410	0.1-<1%
218-690-9	2216-51-5	l-Menthol	Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2AAquatic Acute 3;H303-H315-H319-H402	0.1-<1%
203-341-5	105-87-3	Geranyl acetate	Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 3;H315-H317-H401-H412	0.1-<1%

201-134-4	78-70-6	Linalool	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 3; H227-H303-H315-H317-H319-H402	0.1-<1%
209-578-0	586-62-9	Terpinolene	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H227-H303-H304-H316-H317-H410	0.1-<1%
204-872-5	127-91-3	beta-Pinene	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1BAsp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410	0.1-<1%
205-527-1	142-19-8	Allyl heptanoate	Flam. Liq. 4-Acute Tox. 3-Acute Tox. 3-Acute Tox. 3-Skin Irrit. 3-Aquatic Acute 1-Aquatic Chronic 3;H227-H301-H311-H316-H331-H400-H412	0.1-<1%
205-341-0	138-86-3	dl-Limonene (racemic)	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1BAsp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410	0.1-<1%
203-377-1	106-24-1	Geraniol	Acute Tox. 5-Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1-Aquatic Acute 3;H303-H315-H317-H318-H402	0.1-<1%
	115-95-7	Linalyl acetate	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Aquatic Acute 3; H227-H315-H319-H402	10-<20%
	125-12-2	Isobornyl acetate	Flam. Liq. 4-Skin Irrit. 3-Aquatic Acute 2;H227-H316-H401	5-<10%
	8007-35-0	Terpinyl acetate (Isomer mixture)	Skin Irrit. 3-Aquatic Acute 2;H316-H401	5-<10%
	1222-05-5	1,3,4,6,7,8-Hexahydro4,6,6,7,8,8-hexamethylcyclopentagamma2-benzopyran	Skin Irrit. 3-Aquatic Acute 1-Aquatic Chronic 1;H316-H410	5-<10%
	165184-98-5, 101-86-0	2-Hexyl-(E)-cinnamaldehyde	Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 2;H303-H316-H317-H400-H411	1-<5%
	128-51-8	Nopyl acetate	Acute Tox. 5-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 2;H303-H317-H319-H411	1-<5%
	8000-41-7	Terpineol	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2AAquatic Acute 3;H227-H303-H315-H319-H402	1-<5%
	40379-24-6	Isononyl acetate (isomer unspecified)	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Aquatic Acute 2-Aquatic Chronic 2;H227-H303-H315-H411	1-<5%
	78-69-3	Tetrahydrolinalool	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Aquatic Acute 2; H227-H315-H319-H401	1-<5%
	81-14-1	Musk ketone	Skin Irrit. 3-Carc. 2-Aquatic Acute 1-Aquatic Chronic 1; H316-H351-H410	1-<5%
	18479-58-8	Dimyrcetol	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2AAquatic Acute 3;H227-H303-H315-H319-H402	1-<5%
	470-82-6	Eucalypto	Flam. Liq. 3-Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1B; H226-H303-H316-H317	1-<5%
	464-49-3	d-Camphor	Flam. Sol. 2-Acute Tox. 4-Acute Tox. 4-STOT SE 2-Aquatic Acute 3;H228-H302-H332-H371-H402	1-<5%
	91-64-5	Coumarin	Acute Tox. 4-Skin Sens. 1B-Aquatic Acute 3;H302-H317-H402	1-<5%
	1506-02-1	1-(5,6,7,8-Tetrahydro3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (Fixolid)	Acute Tox. 4-Aquatic Acute 1-Aquatic Chronic 1;H302-H410	0.1-<1%

	128-37-0	Butylated hydroxytoluene	Aquatic Acute 1-Aquatic Chronic 1;H410	0.1-<1%
	87-44-5	beta-Caryophyllene	Skin Irrit. 3-Skin Sens. 1B-Asp. Tox 1;H304-H316-H317	0.1-<1%
	562-74-3	4-Carvomenthenol	Flam. Liq. 4-Acute Tox. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Aquatic Acute 3;H227-H302-H313-H315-H319-H402	0.1-<1%
	33704-61-9	6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone	Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1BAquatic Acute 2-Aquatic Chronic 2;H303-H315-H317-H319-H411	0.1-<1%
	98-55-5	alpha-Terpineol	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2AAquatic Acute 2;H227-H303-H315-H319-H401	0.1-<1%
	5989-27-5	Limonene	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410	0.1-<1%
	80-56-8	alpha Pinene	Flam. Liq. 3-Acute Tox. 5-Skin Irrit. 2-Skin Sens. 1BAsp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H303-H304-H315-H317-H410	0.1-<1%
	127-91-3	beta-Pinene	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410	0.1-<1%
	141-12-8	Neryl acetate	Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 3;H315-H317-H401-H412	0.1-<1%

Substances with Community workplace exposure limits, not listed above:

Name	CAS	EC	%
Butylated hydroxytoluene	128-37-0	204-881-4	0.70%

4. FIRST AID MEASURES

Inhalation:	Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Skin Contact:	IF ON SKIN: Wash with plenty of soap and water.
Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion:	Rinse mouth with water and obtain medical attention.
If Exposed or Concerned:	Get medical advice/attention. Call a POISON CENTRE or doctor/physician if you feel unwell.
Most important symptoms and effects:	May be harmful if swallowed. Causes mild skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer (exposure route).
Indication of any immediate Medical attention and special treatment needed:	None expected.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Carbon dioxide, dry chemical, foam.
Special hazards arising from the substance or mixture:	In case of fire, the following can be released: Carbon monoxide, Unidentified organic compounds.
Hazardous Combustion Products:	In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.
Advice for Fire Fighters:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hazchem Code:	NA

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Protective Equipment:	Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.
Environmental Precautions:	Keep away from drains, surface and ground water, and soil.
Methods and Suitable materials 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.
Oxidising properties:	Not expected
Other information:	None available

7. HANDLING AND STORAGE

Safe Handling Precautions:	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.
Storage conditions: including incompatibilities:	Store in a well-ventilated place. Keep container tightly closed. To prevent congealing and denaturing it is recommended that goods are stores at temperatures between 15-30 °Ground/bond container and receiving equipment. 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.
Specific end use(s):	Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace exposure limits:

Ingredient	CAS	EC	Description	ppm	mg/m3	Reference
Butylated hydroxytoluene	128-37-0	204-881-4	Long-term exposure limit (8-hour TWA reference period)	-	-	-
			Short-term exposure limit (15-minute reference period)	-	-	-

Exposure Controls

Eye / Skin Protection Wear protective gloves/eye protection/face protection.

Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures:
a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.

- b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters.
- c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures.
- d) Use closed systems for transferring and processing this material.

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 control. 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: 2) Increase ventilation of the area with local exhaust ventilation. B) Personnel can use an approved, appropriately fitted respiratory with organic vapours cartridge or canister and particulate filters. C) Use closed system from transferring and processing this material.
Also refer to Sections 2 and 7.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Colourless, Faint Yellow
Aroma/Odour:	Sinus Relief, Fresh, Mint
Relative density:	0.9091 - 0.9231
Refractive index:	Not determined
Flash Point (closed cup test):	85 °C
Specific Gravity (20°C/20°C):	Not determined
pH:	Not determined
Initial boiling point/range:	Not determined
Vapour pressure:	Not determined
Solubility(ies):	Not determined
Melting point/freezing point:	Not determined
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard
Vapour pressure:	Not determined
Vapour density:	Not determined
Product:	Sinus Relief Fragrance FIA202519
Version:	5
Solubility (ies):	Not determined
Partition coefficient n-octano/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not expected
Oxidising properties:	Not expected
Other information:	None available

10. STABILITY AND REACTIVITY

Reactivity Hazards:	Presents no significant reactivity hazard, by itself or in contact with water.
Chemical Stability:	Good stability under normal storage conditions.
Hazardous Reactions:	Not expected under normal conditions of use.
Conditions to Avoid:	Avoid extreme heat.
Incompatibles:	Avoid contact with strong acids, alkalis, or oxidising agents.
Hazardous Decomposition Products:	Not expected.

11. TOXICOLOGICAL INFORMATION

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

May be harmful if swallowed.
Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity: 2567
Assumed Toxicity Value (LD50 of ATE) for Acute Dermal Toxicity: >5000
Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: Not Available

Inhalation Route: Not Available

Skin corrosion/irritation : Skin Corrosion/Irritation Category 2
Serious eye damage/irritation: Eye Damage / Irritation Category 2
Respiratory or skin sensitisation: Sensitization – Skin Category 1
Germ cell mutagenicity: Based on available data the classification criteria are note met.
Carcinogenicity: Carcinogenicity Category 2
Reproductive toxicity: Based on available data the classification criteria are note met.
STOT – single exposure: Based on available data the classification criteria are note met.
STOT- repeated exposure: Based on available data the classification criteria are note met.
Aspiration hazard: Based on available data the classification criteria are not met

Information about hazardous Ingredients in the Mixture:

Ingredient	CAS	EC	LD50/ATE		LC50/ATE	LC50
			Oral	Dermal	Inhalation	Route
Benzyl benzoate	120-51-4	204-402-9	1500	4000	Not Available	Not Available
Allyl heptanoate	142-19-8	205-527-1	218	810	3	Vapour
2-Hexyl-(E)-cinnamaldehyde	165184-98-5, 101-86-0		3100	Not available	Not available	Not available
Coumarin	91-64-5		500	Not available	Not available	Not available
Dimyrcetol	18479-58-8		3600	Not available	Not available	Not available
Eucalyptol	470-82-6		2480	Not available	Not available	Not available
Isononyl acetate (isomer unspecified)	40379-24-6		4250	Not available	Not available	Not available
Nopyl acetate	128-51-8		2940	Not available	Not available	Not available
Terpineol	8000-41-7		4300	Not available	Not available	Not available
d-Camphor	464-49-3		1500	Not available	1.5	Dust/mist

12. ECOLOGICAL INFORMATION

Toxicity: Very toxic to aquatic life with long lasting effects.
Persistence and degradability: Not Available.
Bioaccumulative potential: Not Available.
Mobility in soil: Not Available.
PBT and vPvB Assessment: This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
Other Adverse Effects: Not Available

13. DISPOSAL CONSIDERATIONS

Disposal: 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.

14. TRANSPORT INFORMATION

UN Number: UN3082

UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate, l-Limonene)
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2- benzopyran, Musk ketone)
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Musk ketone) MARINE POLLUTANT
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Musk ketone)
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran, Musk ketone)

Transport Hazard Class(es): 9

Sub Risk: -

Packing Group: III

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..

Special Precautions for user: None additional

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not Applicable

15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations Specific for the substance or mixture. All ingredients listed on AICS.

Water Hazard Class (WGK) 3

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

16. OTHER INFORMATION

Concentration % Limits: EH A1=48.79% EH A2=4.67% EH A3=0.46631786% EH C2=23.32% EH C3=2.33% EH C4=45.46% SCI 2=54.89% SCI 3=4.17% EDI 2A=49.39% SS 1=6.05%
SCI 2=37.29% SCI 3=3.25% EDI 2A=34.70% SS 1=22.22% CAR 2=50.00% EH A2=15.99% EH A3=1.57% EH C2=24.78% EH C3=2.48%

Total Fractional Values: EH A1=2.05 EH A2=21.43 EH A3=214.45 EH C2=4.29 EH C3=42.97 EH C4=2.20 SCI 2=1.82 SCI 3=23.96 EDI 2A=2.02 SS 1=16.53
SCI 2=2.68 SCI 3=30.81 EDI 2A=2.88 SS 1=4.50 CAR 2=2.00 EH A2=6.26EH A3=63.54 EH C2=4.04 EH C3=40.36

Key to revisions: Concentration % Limits
SECTION 3: Composition/information on ingredients

Total Fractional Values

Further Information

Abbreviation	Meaning
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 - Inhalation Category 4
Acute Tox. 4	Acute Toxicity – Dermal Category 4
Acute Tox. 5	Acute Toxicity – Oral Category 5
Acute Tox. 5	Acute Toxicity – Dermal Category 5
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
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
Asp. Tox 1	Aspiration Hazard Category 1
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Eye Damage / Irritation 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
Flam. Sol. 2	Flammable Solid, Hazard Category 2
H226	Flammable liquid and vapour.
H227	Combustible liquid.
H228	Flammable solid.
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.
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.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects (exposure route).
H350	May cause cancer (exposure route).
H351	Suspected of causing cancer (exposure route).
H361	Suspected of damaging fertility or the unborn child (exposure route).
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
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.
P281	Use personal protective equipment as required.
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.
P304/340	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.
P309/311	IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.
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.
P403/235	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.
STOT SE 2	Specific Target Organ Toxicity (Single Exposure) Category 2
Repr. 2	Toxic to Reproduction Category 2
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Irrit. 3	Skin Corrosion / Irritation Category 3
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, and recommendations and/or suggestions are made without guarantee.

The Material Safety Data Sheet is intended to provide information for a health and safety assessment of the material. This document is not intended for quality assurance purposes.