



Armor All Membrane Air Freshener Tranquil Skies

Safety Data Sheet

1. Identification of Substance and Company

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|-----------------------|-------------------------------------------------------------------------------------|
| Product Name: | Armor All Membrane Air Freshener Tranquil Skies |
| Other Names: | None |
| HSNO Approval: | HSR002574, Food Additives and Fragrance Materials (Combustible) Group Standard 2017 |
| Hazchem Code: | 3Z |
| Uses: | Car Air Freshener |

Company Details

| | |
|------------------------------------|-----------------------------------------------------------------------------------|
| Company: | Spectrum Brands New Zealand Limited |
| Address: | Level one, 8 Hugo Johnson Drive, Penrose, 1061, Auckland, New Zealand |
| Telephone Number: | +64-9-571-7700 |
| Emergency Telephone Number: | 0800 764 766 |

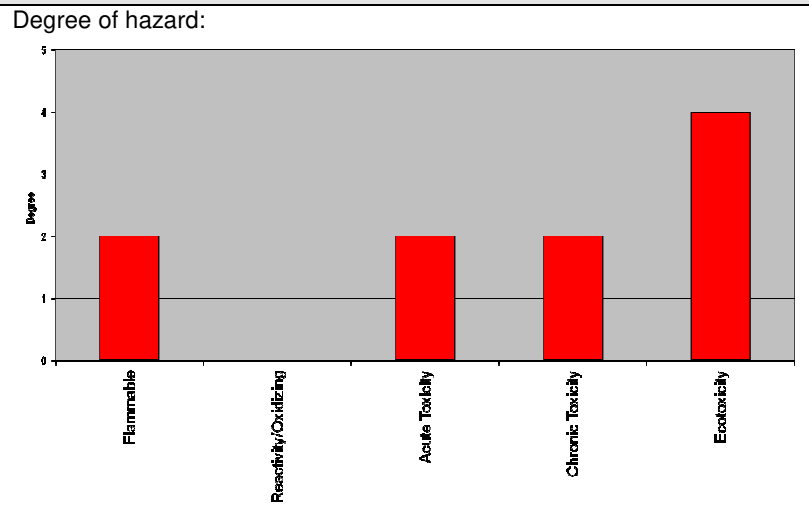
2. Hazard Identification

Hazard Classifications

This product has been approved under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR002574, Food Additives and Fragrance Materials (Combustible) Group Standard 2017), and is classified as follows:

Classes: 3.1D, 6.1E (oral), 6.3A, 6.4A, 6.5B, 9.1B

Symbols:
WARNING



Other classifications

There are no other Classifications that are known to apply.

Hazard and Precautionary Statements

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| Hazard Phrases | H227 - Combustible liquid. H303 - May be harmful if swallowed H315 - Causes skin irritation. H319 - Causes serious eye irritation. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects. |
| Precautionary Phrases | P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P103 - Read label before use. P210 - Keep away from flames and hot surfaces*. No smoking. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray*. P264 - Wash hands 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 and eye/face protection. P312 - Call a POISON CENTRE or doctor/physician if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse. P391 - Collect spillage. P403+P235 - Store in a well-ventilated place. Keep cool. |



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3. Composition/Information on Ingredients

| Component | CAS No | Proportion |
|-------------------------------------------------------------------------|------------|------------|
| 1-Hexanol, 3,5,5-trimethyl-, acetate | 58430-94-7 | 25-50% |
| Tetrahydro-2-Isobutyl-4-Methylpyran-4-Ol, Mixed Isomers (Cis And Trans) | 63500-71-0 | 5-<10% |
| Dihydromyrcenol | 18479-58-8 | 5-<10% |
| Linalool | 78-70-6 | 5-<10% |
| Benzyl acetate | 140-11-4 | 1-5% |
| 2-(Phenylmethylene)-heptanal | 122-40-7 | 1-5% |
| 3-P-Cumenyl-2-Methylpropionaldehyde | 103-95-7 | 1-5% |

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

4. First Aid

General Information

You should call the National Poisons Centre if you feel that you may have been harmed or irritated by this product. The number is 0800 764 766 (24 hr emergency service). If medical advice is needed, have product container or label at hand.

Recommended first aid facilities Ready access to running water is required. Accessible eyewash is recommended.

Exposure

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| Swallowed | IF SWALLOWED: Do NOT induce vomiting. Wash mouth with water and give a glass of water to drink. Call a POISON CENTER or doctor/physician if you feel unwell. |
| Eye contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Apply continuous irrigation with water for at least 15 minutes holding eyelids apart. If eye irritation persists: Get medical advice. |
| Skin contact | IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: get medical advice/attention. Take off contaminated clothing and wash before re-use. |
| Inhaled | No first aid measures normally required. However, if vapours or mists have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice. |

Advice to Doctor

Treat symptomatically.

5. Firefighting Measures

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| Fire and explosion hazards | This is a combustible liquid. This product has the potential to cause fire or to create an additional hazard during a fire. |
| Suitable Extinguishing Substances | Carbon dioxide, extinguishing powder, foam, fog sprays, water jets. |
| Unsuitable extinguishing substances | None known. |
| Protective Equipment | Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat and eye protection. |
| Danger caused by material, its combustion products or gases produced | Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. May form toxic mixtures in air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. |
| Hazchem Code | 1T (recommended, no HAZCHEM signage necessary) |

6. Accidental Release Measures

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| Containment | If greater than 1000L is stored, secondary containment is required. Emergency plans to manage any potential spills must be in place. Prevent spillage from spreading or entering soil, waterways or drains. |
| Emergency procedures | The container size generally will prevent major spills. If a major spill (e.g. >100L) occurs: Stop leak if safe/necessary; Isolate area (ensure no persons inside spill area). Shut off all possible sources of ignition. Collect spill – see below; Transfer to container for disposal. Dispose of according to guidelines below (Section 13) |
| Clean-up method | Use absorbent (soil, sand or other inert material). Rags are not recommended for the clean-up of spills, as they may create fire or environmental hazard. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services. |
| Disposal | Mop up and collect recoverable material into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose of only in accord with all regulations. |
| Precautions | Wear protective footwear, overalls, gloves and safety glasses to clean-up large spills. Can be slippery on floors, especially when wet. |



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7. Handling and Storage

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| Storage | Avoid storage of harmful substances with food. Store out of reach of children. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames. Avoid contact with incompatible substances as listed in Section 10. |
| Handling | Keep exposure to a minimum, and minimise the quantities kept in work areas. See section 8 with regard to personal protective equipment requirements. |

8. Exposure Controls/Personal Protection Equipment

Workplace Exposure Standards



A workplace exposure standard (WES) has not been established by WorkSafe NZ for this product. There is a general limit of 10mg/m³ for dusts and mists when limits have not otherwise been established.

| NZ Workplace Exposure Standards (2016). | Ingredient | WES- TWA | WES- STEL |
|-----------------------------------------|----------------------|----------|-----------|
| | No Ingredient listed | No data | No data |

Engineering Controls

In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far below the WES as practicable by applying the hierarchy of control required by the Health and Safety at Work Act (2015) and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe airborne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.

Personal Protective Equipment

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| Eyes |  | Product is irritating to eyes – glasses are not required for normal use - use eye protection when using this product in bulk. |
| Skin |  | If discomfort is felt (e.g., if pre-existing conditions exist, such as dermatitis, cuts or sensitive skin), gloves may be helpful. If you suffer from dermatitis type skin conditions, use gloves, e.g nitrile gloves. |
| Respiratory | | A respirator when airborne concentrations approach the WES (section 8). If using a respirator with an organic vapour cartridge. Ensure that the cartridges are correct for the potential air contamination and are in good working order. |

9. Physical and Chemical Properties

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| Appearance: | Colourless to pale yellow liquid |
| Odour | pleasant odour |
| pH | no data |
| Vapour pressure | no data |
| Refractive Index | 1.4554 |
| Viscosity | no data |
| Specific gravity | 0.913-0.923 g/cm ³ |
| Boiling point | no data |
| Volatile materials | no data |
| Softening/melting point | no data |
| Solubility | no data |
| Flash point | 73°C |
| Upper & lower flammable limits | no data |
| Auto ignition temperature | no data |
| Corrosiveness | non corrosive |

10. Stability and Reactivity

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| Stability | Stable - unlikely to react/decompose under normal conditions |
| Conditions to be avoided | Combustible substance. Keep away from sources of ignition at all times. Containers should be kept closed when not in use in order to avoid contamination. |
| Incompatible materials | strong oxidising agents, strong acids, strong bases |
| Hazardous decomposition products | Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. |
| Hazardous reactions | No specific hazards. |



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11. Toxicological Information

Summary

No data available on the mixture. This mixture has not been subjected to toxicological testing as a whole. The following toxicity is estimated from individual ingredients:

IF SWALLOWED: may cause nausea, vertigo, dizziness, and gastrointestinal disturbances.

IF ON SKIN: may cause mild irritation of the skin. Some sensitised individuals may experience allergic skin reactions if exposed.

IF IN EYES: may cause irritation with redness, tearing and pain.

Supporting Data

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| Acute: | Oral | Using LD50's for ingredients, the calculated LD50 (oral, rat) for the mixture is between 2,000 and 5,000 mg/kg. Data considered includes: 1-Hexanol, 3,5,5-trimethyl-, acetate 4250mg/kg (rat), Dihydromyrcenol 3600 mg/kg (rat), linalool 2200mg/kg (bw) mouse, 2790mg/kg (bw) rat, Benzyl acetate 640mg/kg (rabbit). |
| | Dermal | No evidence of dermal toxicity. |
| | Inhaled | No evidence of inhalation toxicity. |
| | Eye | This mixture is considered to be an eye irritant, because some of the ingredients present are considered to be eye irritants (Tetrahydro-2-Isobutyl-4-Methylpyran-4-ol, Mixed Isomers (Cis And Trans), linalool, Benzyl acetate). |
| | Skin | This mixture is considered to be a skin irritant, because some of the ingredients present are considered to be skin irritants (1-Hexanol, 3,5,5-trimethyl-, acetate, Dihydromyrcenol, linalool, Benzyl acetate, 3-P-Cumenyl-2-Methylpropionaldehyde) |
| Chronic: | Sensitisation: | This product is considered a contact sensitiser. 3-P-Cumenyl-2-Methylpropionaldehyde is considered a contact sensitiser. |
| | Mutagenicity: | No evidence of mutagenicity for the mixture or any of its components (>0.1%) |
| | Carcinogenicity: | No evidence of carcinogenicity for the mixture. |
| | Reproductive / Developmental: | Insufficient evidence of reproductive toxicity for the mixture or any of its components (>0.1%). No evidence of developmental toxicity for the mixture or any of its components (>0.1%) |
| | Systemic: | No evidence of systemic toxicity for the mixture or any of its components (>0.1%) |

Aggravation of Existing Conditions: None known.

12. Ecological Data

Summary

This product is toxic in the aquatic environment with long lasting effects, but is not considered ecotoxic to land-based animals. Do not allow this product to enter drains or waterways.

Supporting Data

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| Aquatic | Several ingredients (>25%) are considered to be toxic in the aquatic environment with long lasting effects. These include: 1-Hexanol, 3,5,5-trimethyl-, acetate no data, Benzyl acetate, 2-(phenylmethylene)-heptanal. |
| Bioaccumulation | No data on mixture. |
| Degradability | No data on mixture. |
| Soil | No evidence of soil toxicity. |
| Terrestrial Vertebrate | No evidence of toxicity towards terrestrial vertebrates. |
| Terrestrial Invertebrate | No evidence of terrestrial invertebrate toxicity for the mixture or any of its components (>0.1%) |
| Biocidal | The product is not designed as a biocide. |

13. Disposal Considerations

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| Restrictions | There are no product-specific restrictions, however, local council and resource consent conditions may apply, including requirements of trade waste consents. |
| Disposal method | Dispose of residue and solutions that cannot be reused to sewer. If this is not possible dilute with water (at least 5 times as much water) and drain. |
| Contaminated Packaging | Rinse containers with water before disposal. Preferably re-cycle container, otherwise send to landfill or similar. |



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14. Transport Information

If this substance is transported in bulk: Transport according to NZS 5433 (Transport of Hazardous Substances on Land).
 Considered a dangerous good for transport.
 NOTE: This substance is packaged in small packaging (2.5ml) – limited quantities may apply

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| UN Number | 3082 | Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-Hexanol, 3,5,5-trimethyl-, acetate) |
| Class(es) | 9 | Packing group | Not applicable |
| Precautions | Marine pollutant | HAZCHEM code | 3Z |

15. Regulatory Information

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO). Approval code: HSR002574, Food Additives and Fragrance Materials (Combustible) Group Standard 2017 .

Specific Controls

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| Key workplace requirements are: | |
| SDS | To be available within 10 minutes in workplaces storing > any quantity. |
| Inventory | An inventory of all hazardous substances must be prepared and maintained. All hazardous substances should be appropriately packaged including substances that have been decanted, transferred or manufactured for own use or have been supplied |
| Packaging | |
| Labelling | Must comply with the Hazardous Substances (Labelling) Notice 2017. |
| Emergency plan | Required if > 1000L is stored. |
| Certified handler | Not required. |
| Tracking | Not required. |
| Bunding & secondary containment | Required if > 1000L is stored. |
| Signage | Required if > 1000L is stored. |
| Location compliance certificate | Not required. |
| Flammable zone | Not required. |
| Fire extinguisher | If > 500L present. |

Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location will depend on the classification and total quantities of other substances present in that location.

Other Legislation

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, local Council Rules and Regional Council Plans.

16. Other Information


Abbreviations

| | |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval Code | Approval HSR002574, Food Additives and Fragrance Materials (Combustible) Group Standard 2017 Controls, EPA. www.epa.govt.nz |
| CAS Number | Unique Chemical Abstracts Service Registry Number |
| Ceiling | Ceiling Exposure Value: The maximum airborne concentration of a biological or chemical agent to which a worker may be exposed at any time. |
| Controls Matrix | List of default controls linking regulation numbers to Matrix code (e.g. T1, I16). |
| EC₅₀ | Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species) |
| EPA | Environmental Protection Authority (New Zealand) |
| HAZCHEM Code | Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters |
| HSNO | Hazardous Substances and New Organisms (Act and Regulations) |
| IARC | International Agency for Research on Cancer |
| LEL | Lower Explosive Limit |
| LD₅₀ | Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats). |
| LC₅₀ | Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population (usually rats) |
| MSDS/SDS | Material Safety Data Sheet (or Safety Data Sheet) |
| PES | Prescribed Exposure Standard means a WES or a biological exposure standard that is prescribed in a regulation, a safe work instrument or an approval under HSNO (including group standards). |



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| STEL | Short Term Exposure Limit - The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15 minute period, provided the TWA is not exceeded |
| TWA | Time Weighted Average – generally referred to WES averaged over typical work day (usually 8 hours) |
| UEL | Upper Explosive Limit |
| UN Number | United Nations Number |
| WES | Workplace Exposure Standard - The airborne concentration of a biological or chemical agent to which a worker may be exposed during work hours (usually 8 hours, 5 days a week). The WES relates to exposure that has been measured by personal monitoring using procedures that gather air samples in the worker's breathing zone. |
| <i>References</i> | |
| Data | Unless otherwise stated comes from the EPA HSNO chemical classification information database (CCID). |
| WES 2016 | The NZ Workplace Exposure Standards Effective from 2016, published by WorkSafe NZ and available on their web site – www.worksafe.govt.nz . |
| Other References | Suppliers SDS |
| <i>Review</i> | |
| Date | Reason for Review |
| February 2018 | New SDS |
| | |
| <i>Disclaimer</i> | |
| <p>This SDS was prepared by Datachem LTD and is based on our current state of knowledge, including information obtained from suppliers. The SDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the SDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely HSNO classifications, are based on our experience, SDS Guidelines and international classifications. This SDS is copyright Datachem and must not be copied, edited or used for other than intended purpose. To contact the SDS author, email info@datachem.co.nz or phone: (09) 940 30 80.</p> | |
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