

1. Identification of the Substance/Mixture and Supplier

| | |
|---------------------------------|---|
| Product Name | Aalto Enamel Undercoat |
| Product Codes | AS380, AS384 |
| Application | Solvent Based Paint |
| Company | Decora Group Ltd. 7 Akatea Road Glendene Auckland New Zealand |
| Telephone | 09 818 9215 |
| Facsimile | 09 818 7862 |
| Emergency Telephone (NZ) | 0800 761 333 |

2. Hazards Information

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| Hazardous Status (HSNO) | HSR002662 Surface Coatings and Colourants (Flammable) Group Std 2017 |
| Hazardous Status | Flammable, toxic, eco-toxic |
| HSNO Classification | 3.1C Flammable liquids 6.1E Substances which are acutely toxic 6.3B Mildly irritating to the skin 6.5B Substances are contact sensitisers 6.8B Suspected human and reproductive toxicants 6.9B Substances are harmful to human target organs and systems 9.1B Substances are ecotoxic in the aquatic environment |



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|--------------------|---------|
| Signal Word | Warning |
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HAZARD STATEMENTS

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| H226 | Flammable liquid and vapour |
| H316 | Causes mild skin irritation |
| H317 | May cause an allergic reaction to skin |
| H319 | Causes serious eye irritation |
| H336 | May cause drowsiness or sleepiness |
| H351 | Suspected of causing cancer |
| H361 | Suspected of damaging fertility |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H411 | Toxic to aquatic life with long lasting effects |

PREVENTION STATEMENTS

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| P102 | Keep out of reach of children |
| P103 | Read label before use |
| P104 | Read safety data sheet before use |
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P210 | Keep away from all sources of ignition – no smoking |
| P211 | Do not spray on an open flame or other ignition source |
| P233 | Keep container tightly closed |
| P240 | Ground/bond container and receiving equipment |
| P241 | Use explosion-proof electrical, ventilating, lighting and all other equipment |
| P242 | Use only non-sparking tools |
| P243 | Take precautionary measures against static discharge |
| P261 | Avoid breathing mist, vapours or spray |
| P264 | Wash hands, face and all exposed skin thoroughly after handling |
| 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 clothing, gloves, eye/face protection and suitable respirator as required |

RESPONSE STATEMENTS

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| P101 | If medical advice is needed, have product container or label to hand |
| P304+P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin in water/shower. |
| P363 | Wash contaminated clothing before reuse |
| P333+P313 | If skin irritation or a rash occurs, get medical advice/attention |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. |
| P337+P313 | If eye irritation persists, get medical advice/attention |
| P308+P313 | If exposed or concerned, get medical advice/attention |
| P391 | Collect spillage |

STORAGE STATEMENTS

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| P403+P233 | Store in a well ventilated place. Keep container tightly closed. |
| P405 | Store locked up |

DISPOSAL STATEMENTS

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| P501 | Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information. |
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3. Composition/Information on Ingredients

| Chemical Entity | CAS Number | Proportion % w/w |
|--------------------------------------|------------|------------------|
| White spirit | 8052-41-3 | 10 - 30% |
| Naphtha petroleum light aromatic | 64742-88-6 | 10 – 30% |
| Methyl ethyl ketoxime | 96-29-7 | < 1% |
| Ingredients determined non-hazardous | - | Balance of 100% |

4. First Aid Measures

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| Swallowed | If swallowed do NOT induce vomiting. Give water to drink. Get medical attention if symptoms occur. |
| Inhaled | If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Obtain medical attention if symptoms occur. |
| Eye Contact | If splashed in the eyes, wash out immediately with water. Obtain medical attention if irritation occurs. |
| Skin Contact | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if symptoms occur. |
| Ingestion | Rinse mouth with water. If swallowed do NOT induce vomiting. Give a glass of water to drink. Never give anything by mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice. |
| PPE for First Aiders | Wear overalls, safety glasses. and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or reusing. |
| Notes to Physician | Treat symptomatically |
| Further Information | For advice, contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately. |

5. Fire Fighting Measures

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| Hazchem Code | 3Y |
| Suitable Extinguishing Media | Alcohol resistant foam is the preferred fire-fighting medium. If material is involved in a fire use alcohol resistant foam, standard foam, dry chemical or CO ₂ |
| Hazards from the Substance | Flammable liquid. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area. Do not smoke. |
| Protective Equipment for Firefighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

6. Accidental Release Measures

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| Small Spill | Wear protective equipment to prevent eye and skin contamination. Wipe up with absorbent (clean rag or paper towels) before disposing with normal household rubbish. |
| Large Spill | Shut off all possible sources of ignition. Clear area of unprotected personnel. Prevent further leakage or spillage if safe to do so. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain – prevent run off into drains and waterways. Use absorbent (soil, sand or other inert) material. Collect and seal in properly labelled containers or drums for disposal. Use spark-free shovel. If contamination of sewers or waterways has occurred, advise local emergency services. |

Dangerous Goods – Initial Emergency Response Guide No: 14

7. Handling and Storage

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| Handling | Avoid contact with skin or eyes or breathing in the product. |
| Storage | Keep container dry and tightly closed, in a cool, well-ventilated area, away from direct sunlight. Store away from incompatible substances and food and drink. Store away from sources of heat or ignition. Keep containers closed when not in use. |

This material is classified as a Dangerous Good Class 3 Flammable Liquid as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

8. Exposure Control/Personal Protection

| Exposure Standards | | | | | | |
|----------------------------------|---------|-------------------|----------|-------------------|---------------------|---------|
| Product/Ingredient | WES/TWA | | WES/STEL | | Carcinogen Category | Notices |
| | ppm | mg/m ³ | ppm | mg/m ³ | | |
| White spirit | 100 | 525 | - | - | - | - |
| Naphtha petroleum light aromatic | 25 | 125 | 75 | 375 | - | - |

Engineering Controls

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air – prevent concentration in hollows or slumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Personal Protection

Overalls, safety shoes, safety glasses, gloves



Wear overalls, safety glasses, and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or reusing.

Hygiene Measures

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid skin and eye contact and inhalation of vapour, mists or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and Chemical Properties

| PROPERTY | SPECIFICATION |
|---------------------------------|--------------------------|
| Physical State | Coloured, viscous liquid |
| Colour | Off-white |
| Odour | Solvent odour |
| Specific Gravity (20°C) | 1.3 – 1.5 |
| Relative Vapour Density (air=1) | > 1 |
| Vapour Pressure (20°C) | Not available |
| Flash Point (°C) | > 23 |
| Flammability Limits | Not available |
| Autoignition Temperature | Not available |
| % Volatile by Volume | Not available |
| Melting Point/Range (°C) | Not available |
| Boiling Point/Range (°C) | Not available |
| Decomposition Point (°C) | Not applicable |
| pH | Not available |
| Viscosity (40°C) | > 21mm ² /sec |
| Total VOC (g/Litre) | Not available |

10. Stability and Reactivity

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| Reactivity | No reactivity hazards are known for the material |
| Stability | Product is stable under directed conditions of use, storage and temperature |
| Possibility of Hazardous Reactions | Under normal conditions of storage and use, hazardous reactions will not occur |
| Conditions to Avoid | Store at temperatures less than 40°C |
| Materials to Avoid | Not applicable |
| Hazardous Decomposition Products | Oxides of carbon and nitrogen, smoke and other toxic fumes |
| Hazardous Polymerisation | No data available |

11. Toxicological Information

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| Hazardous Status (HSNO) | No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are: |
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ACUTE EFFECTS

Swallowed

Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is uncoordinated there is greater likelihood of vomit entering the lungs and causing subsequent complications.

Inhaled

Where this material is used in a poorly ventilated area, at elevated temperatures or in confined spaces, vapour may cause irritation to mucous membranes of the respiratory tract, headache and nausea. Inhalations of high concentration can lead to loss of coordination, impaired judgement and if exposure is prolonged, unconsciousness.

Skin

Contact with skin may result in irritation. Repeated or prolonged exposure may lead to allergic contact dermatitis.

Eyes

An eye irritant

ACUTE TOXICITY

Specific target organ toxicity

This material has been classified as a Category 6.9 Hazard. Exposure via inhalation may result in depression of the central nervous system.

CHRONIC TOXICITY

Carcinogenicity

This material has been classified as a Category 6.7B Hazard

Reproductive toxicity (inc. via lactation)

This material has been classified as a Category 6.8B Hazard. Toxic to reproduction.

| Toxicity Data (species rat, unless otherwise stated) | | | |
|--|--------------------|----------------------|------------------------------|
| Product/Ingredient | LD50 Oral mg/kg | LD50 Dermal mg/kg | LD50 Inhalation mg/L/4hrs |
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12. Ecological Information

Eco Toxicity

Avoid contaminating waterways

Acute Aquatic Hazard

This material has been classified as a Category Acute 9.1A Hazard. Acute toxicity estimate (based on ingredients): 1-10mg/L

Long Term Aquatic Hazard

No information available

Persistence and Degradability

No information available

Bioaccumulative Potential

No information available

Mobility

Product is miscible with water

13. Disposal Considerations

Methods of Disposal

Dispose of the product and container in accordance with local regulations, using approved waste contractors.

For small quantities: Do not pour leftover paint down the drain. Unwanted paint should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty paint containers should be left open in a well-ventilated area to dry out. When dry recycle the container via steel can recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first.

For large quantities: Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Normally suitable for disposal at approved land waste site.

14. Transportation Information

Road and Rail Transport

Classified as a Dangerous Good under NZS 5433:2007
Transport of Dangerous Goods on Land

| | |
|------------------------------|--------------------|
| UN No. | 1263 |
| Dangerous Goods Class | 3 Flammable Liquid |
| Packing Group | III |
| Hazchem Code | 3Y |
| Emergency Response Guide No. | 14 |
| Proper Shipping Name | PAINT |

Segregation Dangerous Goods

Not to be loaded with explosives (Class 1), flammable gasses (Class 2.1), if both are in bulk, toxic gasses (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), however exemptions may apply.

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea

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|-----------------------|--------------------|
| UN No. | 1263 |
| Dangerous Goods Class | 3 Flammable Liquid |
| Packing Group | III |
| Proper Shipping Name | PAINT |

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS

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|-----------------------|--------------------|
| UN No. | 1263 |
| Dangerous Goods Class | 3 Flammable Liquid |
| Packing Group | III |
| Proper Shipping Name | PAINT |

15. Regulatory Information

This material is not subject to the following international agreements:

Montreal Protocol (ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)

This material is subject to the following international agreements:

Basel Convention (Hazardous Waste)
- Wastes from production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish
International Convention for the Prevention of Pollution from Ships (MARPOL)
- Annex III – Harmful Substances carried in Packaged Form

16. Other Information

This material safety data sheet has been prepared by Technical Services, Decora Group Limited.

Reason(s) for Issue

Revised Primary MSDS

Disclaimer

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Decora Group Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Decora Group Limited/Aalto Paint representative or Decora Group Limited at the contact details on page 1. Decora Group Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.