



Safety Data Sheet

Hazardous Substance, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: Rhinofloor HBE (Pack B) (Slow)

Recommended use: As a floor coating when mixed with other components of the Rhinofloor HBE system.

Supplier: Wagon Paints Australia Pty Ltd

ABN: 76 412 791 772

Street Address: 5 Stephenson Road Bayswater North VIC 3153 Australia

Telephone: +613 9729-1344

Facsimile: +613 9720 2179

Emergency Telephone number: (03) 9729 1344 from 8:00 am to 4:30 pm

2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia.



Signal word : Danger

Acute Toxicity - Category 4 (Oral)

Acute Toxicity - Category 4 (inhalation)

Skin corrosion/irritation - Category 1B

Eye Damage/Irritation - Category 1

Skin Sensitisation - Category 1

Toxic to Reproduction (Fertility) - Category 2

Acute Aquatic Hazard - Category 2

Long Term Aquatic Hazard - Category 1

Hazard statements :

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H332 - Harmful if inhaled.

H360 - May damage the unborn child.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention :

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P261 - Avoid breathing vapour.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

P280 - Wear protective gloves: > 8 hours (breakthrough time): butyl rubber, Ethyl

Vinyl Alcohol Lamine (EVAL). Wear eye or face protection. Wear protective clothing.

P281 - Use personal protective equipment as required.

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P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

Response : P308 + P313 - IF exposed or concerned: Get medical attention.

P304 + P340 + P310 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician.

P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 + P363 + P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician.

P302 + P352 + P312 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell.

P333 + P313 - If skin irritation or rash occurs: Get medical attention.

P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or physician.

Storage : P405 - Store locked up.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Poison Schedule: Not Applicable

DANGEROUS GOOD CLASSIFICATION

Classified as dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous good by Road or rail" and the "New Zealand NZS5433: Transport of Dangerous Good on Land"

Dangerous Goods Class: 8

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2, 3-epoxypropane, reaction products with m-phenylenebis(methylamine)	113930-69-1	30 - 60 %
benzyl alcohol	100-51-6	10 - 30 %
isophorone diamine	2855-13-2	10 - 30 %
Polyoxypropylene diamine	9046-10-0	10 - 30 %
meta xylene diamine	1477-55-0	< 10 %
Salicylic acid	69-72-7	< 10%
4-Nonyl Phenol	25154-52-3	< 10 %

Ingredients determined to be Non-Hazardous

Balance

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. inhalation of decomposition products in a fire, symptoms may be delayed.



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The exposed person may need to be kept under medical surveillance for 48 hours.

It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of

Skin Contact: Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Ingestion: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Notes to physician: Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.

5. FIRE FIGHTING MEASURES

Hazchem Code: 3W

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Specific hazards: In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Fire fighting further advice: On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

6. ACCIDENTAL RELEASE MEASURES

Methods and material for containment and cleaning up:

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Dangerous Goods Initial Emergency Response Guide No: 8A1 Handling: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.



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Remove contaminated clothing and protective equipment before entering eating areas.

7. HANDLING AND STORAGE

See also Section 8 for additional information on hygiene measures. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use.

Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Store between the following temperatures: 2 to 40°C. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Storage class 8, Corrosive substances

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	g/m3	
meta xylene diamine		0.1 peak limitation		-	Sk

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Sk Notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas.



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Biological Limit Values: As per the "National model regulations for the control of workplace hazardous substances (Safe Work Australia)" The ingredients in this material do not have a Biological Limit Allocated.

Use with local exhaust ventilation or while wearing appropriate respirator.

Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

Personal Protection Equipment: SAFETY SHOES, OVERALLS, GLOVES, CHEMICAL GOGGLES, RESPIRATOR. Wear safety shoes, overalls, gloves, chemical goggles, respirator. 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 butyl rubber, or Ethyl Vinyl Alcohol Laminate (EVAL) should be suitable for long term 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 re-using.

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 contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Colour: Yellow, clear.

Odour: Amine like

Solubility: Partially soluble in water

Specific Gravity (20 °C): 1.04 at 25°C

Relative Vapour Density (air=1): N Av

Vapour Pressure (20 °C): < 5 Pa

Flash Point (°C): Closed cup: > 100

Flammability Limits (%): N Av

Autoignition Temperature (°C): N Av

Melting Point/Range (°C): N Av

Boiling Point/Range (°C): N Av

pH: Approx 13 (1:1 mix in water)

Viscosity: 100 to 300 cP

Total VOC (g/Litre): N App

(Typical values only - consult specification sheet)

N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: No specific data.

Incompatible materials: strong acids, strong bases, strong oxidising agents.

Hazardous decomposition products: Decomposition products may include the following materials: Burning produces obnoxious and toxic fumes. carbon dioxide, carbon monoxide, nitrogen oxides

Hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.



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Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: May give off gas, vapour or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin contact: Causes severe burns. May be harmful in contact with skin. May cause an allergic skin reaction.

Ingestion: Harmful if swallowed. May cause burns to mouth, throat and stomach.

Eye contact: Causes serious eye damage.

Acute toxicity

Inhalation: This material has been classified as Category 4 hazard. Acute toxicity estimate (based on ingredients): 10 - 20 mg/L

Skin contact: This material has been classified as non hazardous. Acute toxicity estimate (based on ingredients): > 2000 mg/Kg

Ingestion: This material has been classified as ACUTE TOXICITY (oral) - Category 4. Acute toxicity estimate (based on ingredients): 1000 - 2000 mg/Kg

Corrosion/Irritancy: Eye: this material has been classified as SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1. Skin: this material has been classified as SKIN CORROSION/IRRITATION - Category 1B.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as SKIN SENSITIZATION - Category 1.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as TOXIC TO REPRODUCTION (Unborn child) - Category 2.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material is harmful to aquatic life with long lasting effects.

Long-term aquatic hazard: This material has been classified as a Category Chronic 1 Hazard.



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Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): ≤ 1 mg/L, where the substance is not rapidly degradable and/or BCF 500 and/or $\log K_{ow} \geq 4$.

Ecotoxicity: This material is harmful to aquatic life with long lasting effects.

Persistence and degradability: Not readily biodegradable.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT



Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of dangerous Goods by Road or Rail and the New Zealand NZS5433: Transport of dangerous Goods on Land.

Packing Group: III

UN No: 2735

Dangerous Goods Class: 8 Corrosive

Emergency Response Guide 8A1

Proper Shipping Name: Polyalkyl amines, corrosive, N.O.S.

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), dangerous when wet, (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), or radioactive substances (Class 7). 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. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.

Packing Group: III

UN No: 2735

Dangerous Goods Class: 8 Corrosive

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Proper Shipping Name: Polyalkyl amines, corrosive, N.O.S.

AIR TRANSPORT



Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Packing Group: III

UN No: 2735

Dangerous Goods Class: 8 Corrosive

Emergency Response Guide 8A1

Proper Shipping Name: Polyalkyl amines, corrosive, N.O.S.

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)
Basel Convention (Hazardous Waste)

This material is subject to the following international agreements:

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

This material/constituent(s) is covered by the following requirements:

All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC) .

HSNO Group Standard: HSR002658 – Surface Coatings and Colourants (Corrosive) Group Standard 2006

16. OTHER INFORMATION

Reason for issue: Update to GHS SDS standard.
Version 1.1: Reviewed to ensure SDS conforms.

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.