

Floor Finish #4

Material Safety Data Sheet in accordance with 91/155/EEC

Issued: 08.12.2005

1 Section**Chemical Product and Company Identification**

MSDS Name: **Floor Finish #4**
 Product Group : Surface Treatment inside
 Catalog Numbers : **4/44**
 Synonyms : Natural Resin Floor Finish

Company Identification : Eco Design Co.
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2 Section**Composition, Information on Ingredients**

Modified oils dissolved in isoparaffines

Hazardous ingredients:

Chemical Name	EINECS#	%	Lab.	R-Phrases
Naphtha, heavy, hydrogen-treated				
Naphtha, low-boiling, hydrogen-treated	265-150-3	1-5	Xn	65
Naphtha, heavy, alkylate-modified				
Naphtha, low-boiling		5-10	Xn	65
Alkanes, C9-12-iso	265-067-2	25-45	Xn	10-65-66

3 Section**Hazards Possibilities**

Labelling: None

Information concerning particular hazards for human and environment: n. a.

4 Section

First Aid Measures

General Information: When continuous complaints consult a physician.

Eye : Remove contact lenses, keep eye lid open and flush eyes with plenty of clean streaming water for at least 10 minutes. Get medical aid.

Skin: Flush skin with plenty of soap or other suitable cleaner and water while removing contaminated clothing and shoes. Wash clothing before reuse. Do not use solvents or thinners.

Ingestion: Get medical aid immediately. Do NOT induce vomiting. Keep affected person calm.

Inhalation: Expose to fresh air. If not breathing or when breathing is difficult give artificial respiration. In case of unconsciousness bring into recovery position and get medical aid.

5 Section

Fire Fighting Measures

Appropriate Extinguishing Media:

Foam (alcohol resistant), carbon dioxide, powder, spray (water)

For Safety Reasons Inappropriate Extinguishing Media:

Water jet

Special Hazards Caused by the Substance, its Products of Combustion Or Resulting Gases:

Fire will produce dense black smoke; inhalation of harmful decomposition products may result in adverse health effects.

Protective Equipment

Mount respiratory protective device if necessary.

Additional Notes

Cool closed containers near the fire source with water. Do not let fire water into the drain.

6 Section

Accidental Release Measures

General Remarks: Keep away from sources of ignition and keep room well ventilated. Do not breathe aerosol. Use proper personal protective equipment as indicated in Sections 7 and 8.

Methods for Cleaning up/Taking up :

Absorb spill with inert material (e.g., dry sand or earth), then place into a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. If possible use cleaners, not solvents.

Environmental Precautions:

Do not allow to enter drains or waterways. Do not allow spilt product to enter soil or watercourses. When rivers, lakes or sewer pipes are polluted with the product inform the local authorities according to the local regulations in force.

7 Section

Handling and Storage

Advice for safe use

Avoid the forming of flammable and explosive solvent vapours in the air, as well as exceeding the maximum concentration allowed in the air. Keep away from open flames, fire and other sources of ignition. The product can charge statically: use grounded pipes for decanting the product only. Wearing antistatic clothing incl. shoes is advised. Use spark-free tools. Avoid contact with eyes and skin. So not inhale vapours, spray mist and sanding dust. Do not eat, drink or smoke during work. Personal protective gear: see section 8. Observe the official legal regulations.

Advice for fire and explosion protection

Solvent aerosols are heavier than air and spread above the floor. Aerosols form an explosive mixture together with the air.

Requirements for storing rooms and containers

If the product is classified according to VbF (see section 15), electrical devices must meet the requirements of DIN VDE 0165. Floors must meet the requirements of the "Directives for Avoiding of Dangers of Ignition caused by electrostatic charge" (BGR 132). Keep container tightly sealed. Do not empty containers using pressure. Smoking prohibited. No admittance for unauthorised persons. Carefully close open containers and store upright to avoid all leakage.

Advice for combined storage

Keep away from highly acidic and alkaline materials as well as from oxidation agents.

Further details on storage conditions

Always store in containers that match the original one. Observe the instructions on the label. Store in temperatures between 15 and 30 °C in a dry and well-ventilated place. Protect from heat and direct sunlight. Keep away from all sources of ignition.

8 Section

Exposure Controls, Personal Protection

Additional advice for technical devices

Ensure good room ventilation. This may be achieved through local or room air extraction. If this is not sufficient to keep the aerosol concentration in the air under the limit value, respiratory protective equipment must be worn.

Personal protective gear

Breathing protection :

If the solvent concentration in the air is higher than the limit value, a respirator approved for this purpose must be worn.

Hand protection:

Latex protection gloves are required. A protection glove against chemicals tested according to EN 374 is suitable for short-time contact (e. g. protection against splashes):
Suitable material: nit rile rubber, latex; material thickness: > 0.4 mm; breakthrough time: > 480 min.

Eye protection:

Wear goggles as a protection against solvent splashes.

Body protection:

Wear antistatic clothing made of natural fibres or heat resistant synthetic fibres.

Protection and hygiene advice:

Clean skin that has come in contact with the product carefully with water and soap or use a suitable cleaner. Do not use organic solvents.

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9 Section**Physical and Chemical Properties**

Physical state: liquid
Colour: yellowish, clear
Odour: typical

Safety relevant data:

	Value	Unit	Method
Flashpoint:	58	°C	
Ignition temperature	250	°C	
Lower ex-limit:	0.6	Vol.%	
Upper ex-limit:	6.0	Vol.%	
Specific weight at 20 °C:	0.96	g/cm ₃	
Solubility in water:	none		
Viscosity at 20 °C:	65	sec (4 mm)	DIN 53211
Solvent separation test:	<3	%	
Solvent content:	44	%	

10 Section**Stability and Reactivity****Conditions to avoid:**

Stable when the instructions for proper use and storage (see section 7) are observed.

Incompatibilities with Other Material:

Keep away from highly acidic and alkaline materials as well as oxidation agents to avoid exotherm reactions.

Hazardous Decomposition Products:

In high temperatures hazardous decomposition products such as carbon dioxide, carbon monoxide, fumes and nitrogen oxide may form.

None, if the product is used as intended.

Danger of self-ignition, e. g. wettened wiping cloths or similar (auto-oxidation). Dispose of contaminated cloths covered with water. Avoid contact with oxygen and light.

11 Section**Toxicological Information**

Breathing solvents with the air above the limit value may cause health damage, e. g. irritation of the mucous membranes and respiratory organs, damage to liver, kidney and the central nervous system. Indications for this are: headache, nausea, fatigue, amyasthenia, drowsiness and in serious cases unconsciousness. Solvents may cause some of these effects by skin resorption. Permanent or repeated contact with the product will cause degreasing of the skin and may also cause non-allergic Contactdermatitis and/or the resorption of harmful substances. Solvent splashes can cause irritation and reversible damage to the eye.

General remark:

The product as such has not been tested. The preparation has been classified according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version and to the toxicological dangers (see sections 2 and 15).

12 Section**Ecological Information**

Do not let into drain.

The preparation has been classified according to the calculation method of the General EU Classification Guidelines for Preparations as not harmful to the environment.

13 Section**Disposal Considerations**

Product: Do not let into drain.
EAK-No.: 080112 (Paint- and lacquer wastes except for those included in No. 080111)

Packagings: Completely emptied packagings can be recycled. Containers which are not completely empty are to be treated as special waste.

14 Section**Transport Information**

Ground transport	n. a.	—	Container size > 450 litres
ADR/RID class		—	3
UN-No.		—	1263
Description of the good		—	Paint
Packing group		—	III
Maritime transport	n. a.	—	Container size > 450 litres
IMDG class		—	3
EmS-No.		—	3-05
UN-No.		—	1263
Correct technical name		—	Paint
Packing group		—	III
Marine pollutant		—	
Air transport			
ICAO/IATA class	3		
UN-No.	1263		
Correct technical name	Paint		
Packing group	III		

15 Section**Regulatory Information****European Labeling in Accordance with EC Directive 1999/45/EG:****Risk Phrases:** n. a.**Safety Phrases:** n. a.**WGK (Water/Danger Protection):** 1**Classification according to VbF:** n. a.**16 Section****Additional Information****Risk Phrases with ID No. from section 2:**

- 10 Flammable
- 65 Harmful, may cause lung damage if swallowed
- 66 Repeated exposure may cause skin dryness or cracking

This Information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims., losses, or damage of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.