

BioShield Citrus Thinner #23

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

Issued: 07.30.06

1 Section**Chemical Product and Company Identification**

MSDS Name: **Citrus Thinner**

Product Group : Clean-up of oil-based paints, stains & finishes

Catalog Numbers : **23**

Synonyms : Paint Thinner, Citrus Thinner #23

Company Identification : Eco Design Co.
3215 Rufina Street
Santa Fe, NM 87507
Phone : +1-(505) 438-3448
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e-mail: info@bioshieldpaint.com

2 Section**Composition, Information on Ingredients****2.1 Chemical Characteristics of the Product:**

Isophar, D-Limonene

2.2 Dangerous Components:

D-Limonene (Citrus extract)

3 Section**Hazards Possibilities**

Appearance: Colorless liquid, Flammable Liquid

Labelling: Xi

Eye: Irritation to eyes, respiratory system and skin.

Skin: May cause skin irritation

Ingestion: May cause gastrointestinal irritation with nausea, vomiting, and diarrhea.

Inhalation: May cause respiratory tract irritation.

Chronic: Effects may be delayed.

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4 Section**First Aid Measures****General Information:** By continuous complaints consult a physician.**Eye :** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing clothing and shoes. Wash clothing before reuse.**Ingestion:** Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water..**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.**Notes to Physician:** Treat symptomatically and supportively.**5 Section****Fire Fighting Measures****General Information:** As in any fire, wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air.**Extinguishing Media:** For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire exposed containers. Water may be ineffective. Use agent most appropriate to extinguish fire. Do NOT use straight streams of water.**6 Section****Accidental Release Measures****General Remarks:** Use proper personal protective equipment as indicated in Section 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. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors.

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7 Section**7.1 Handling and Storage:**

Use with adequate ventilation. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Wash clothing before reuse. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

7.2 Directions on Protection against Fire and ExplosionHinweise:

Vapors from solvent are heavier than air and spread across the floor and can be combustible in combination with air.

7.3 Storage Conditions:

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.dry and above 0°C

8 Section**Exposure Controls, Personal Protection****Exposure Limits:** N/A**Personal Protective Equipment:****Eye:** Use safety glasses when spraying.**Skin:** Wear appropriate protective gloves to prevent skin exposure.**Clothing:** Wear appropriate protective clothing to prevent skin exposure.**Respirators:** Provide adequate venlitaion during application and drying time.

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9 Section**Physical and Chemical Properties**

Appearance:	Viscous Liquid Emulsion		
Physical State:	Liquid		
Odor:	Citrus-like odor		
pH:	n.a.		
Vapor Pressure:	n.a.		
Vapor Density:	n.a.		
Evaporation Rate:	n.a.		
Viscosity:	at 20 °C	14s 4mm	DIN 53211
	Boiling Point/Range:	n.a.	
Freezing / Melting Point:	n.a.		
Autoignition Temperature:	n.a.		
Flash Point:	85 °C		
NFPA Rating:	Health-1, Flammability-2, Reactivity-0		
Exposure Limits, Lower:	n.a.		
Upper:	n.a.		
Decomposition Temperature:	n.a.		
Solubility in water:	none		
Specific Gravity/Density:	DIN 51 757		

10 Section**Stability and Reactivity**

Conditions to avoid: None if stored according to section 7

Incompatibilities with Other Material: Keep away from alkaline materials and strong oxidisers.

Hazardous Decomposition Products: High temperatures can cause splitting of product into Carbon Monoxide, irritating and toxic fumes and gases, carbon dioxide.

Oil soaked rags may be self combustible and need to be discarded in a water-filled container or burned in accordance with local ordinances.

11 Section**Toxicological Information**

Experiences made in Practice: Excessive inhalation of solvents kann lead to health risk such as irritation of mucous membranes, respiratory problems, liver and kidney damage, and damage of the nervous system. Frequent skin contact with solvents can lead to degreasing of skin and dermatitis.

Additional Remarks: None

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12 Section**Ecological Information**

General Remarks: Because of its consistency the product cannot be dispersed in the environment. Adverse ecological effects are therefore unlikely on the basis of current knowledge. Empty container can be recycled or discarded as household waste.

13 Section**Disposal Considerations**

Product: In accordance with the necessary technical regulations, may be dumped, when solidified, with household waste, after consultation with site operator and with the responsible authority.

Packagings: Completely emptied packagings can be given for recycling.

RCRA P-Series: none listed

RCRA U-Series: none listed

14 Section**Transport Information**

Labeling: No dangerous goods, no labelling necessary

US DOT

UN-No. : NA1270
Hazard Class: Combustible Liquid
Packing Group: PG III

ERG Number 128

Packing Group PF III
STCC NE
Dangerous when wet No
Poison No
Label (s) N/A
Placard Combustible
Page : N/A

German Regulations:

ADR/GGVS, RID/GGVE:
Kemmler-No.: N/A.
EMAC N/A
GGSV: N/A
Klasse: N/A
Ziffer : N/A
Anhang B.8: N/A
Gefahrzettel: N/A.

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15 Section**Regulatory Information****European / international regulations**

European Labeling in Accordance with EC Directives:

The product **does not** require a hazard warning label in accordance with EC directives/the relevant national laws.

Although this product does not require a hazard warning label, we recommend that the safety advice should be observed.

Risk Phrases: R 41, Risk of serious damage to eyes

Safety Phrases: S 2, Keep out of the reach of children

WGK (Water/Danger Protection):

Exposure Limits:

16 Section**Additional Information**

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.