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Safety Data Sheet Zest-it® Damar Varnish

According to EC directive 91/155/EEC and subsequent amendments

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name Zest-it® Damar Varnish

Product Numbers ZDVC;ZDRV;ZDPV; 50, 125, 250, 500, 1000

Application Varnish for Oil painting, art and creative use

Supplier J and T Blackman Ltd. Foxholes Rd, Leicester. LE3 1TH
Tel: 0844 8005937. After hours: Tel: 01162341001 Mob. 07885103576
email: msdssupport@zest-it.biz

Container size 50 ml to 1 Litre

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	Einecs No.	Cas-No.	Content	Health (class)	Risk (class)
Aliphatic Hydrocarbon	265-149-8	64742-47-8	50 - 70%	Xn	R65. R66.
Orange Terpenes	232-433-8	8028-48-6	05 - 10%	Xn	R65. R10.
Gum Damar		9000-16-2	20 - 40%		
Comments	Proprietary preparation of Citrus oils and Hydrocarbon (Benzene <0.1%)				

The Full Text for all R-Phrases are displayed in Section 16

3 HAZARDS IDENTIFICATION

This product is classified as harmful under CHIP(3) Reg.
Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

4 FIRST AID MEASURES

GENERAL INFORMATION In all cases of doubt or when symptoms persist, seek medical attention. NEVER give anything by mouth to an unconscious person.

INHALATION If fluid is aspirated into the lungs. Get medical attention immediately. Remove person to fresh air. Keep warm and at rest.

INGESTION DO NOT induce vomiting. If vomiting occurs, keep head low so the stomach content doesn't get into the lungs. Drink plenty of water or milk. Seek medical attention immediately. Provide rest, warmth and fresh air.

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SKIN CONTACT	Remove any soaked or contaminated clothing and shoes. Wash the skin immediately with soap and water. Do not allow saturated clothing to remain in contact with skin for prolonged periods.
EYE CONTACT	Remove any contact lenses before rinsing. Promptly flush eyes with plenty of water while lifting the eyelids. Continue to rinse for up to 15 minutes. If irritation occurs seek medical attention.

5 FIRE FIGHTING MEASURES

GENERAL INFORMATION	Classification: non-flammable. Flash point: 67°C (153°F). Auto ignition: 180°C (356°F). Insoluble in water.
EXTINGUISHING MEDIA	Extinguish with foam, carbon dioxide (CO ₂), dry powder, soil or water fog. DO NOT use water jet as this will spread the fire.
SPECIAL FIRE FIGHTING PROCEDURES	Suitable self contained breathing apparatus should be used in confined areas. Keep run-off water from fire fighting out of sewers and water courses.
UNUSUAL FIRE & EXPLOSION HAZARDS	May produce dense black smoke. Stay up wind of fire. Vapours are heavier than air and may travel along the ground to nearby sources of ignition.
SPECIFIC HAZARDS	Burning product will liberate carbon dioxide (CO ₂) and possibly carbon monoxide (CO). Avoid breathing the smoke.

6 ACCIDENTAL RELEASE MEASURES

GENERAL INFORMATION	Ventilate well. Extinguish all sources of ignition. Avoid contact with eyes and skin. Do not allow to enter sewers or water courses.
SMALL RELEASE CLEAN UP METHODS	Contain and absorb with dry sand, soil or oil absorbent avoiding the use of sawdust. Dispose of as dry oil waste.
LARGE RELEASE CLEAN UP METHODS	Dike with dry sand, soil or other suitable material, avoiding the use of sawdust. Used or contaminated product should not be allowed to enter sewers or water courses.

7 HANDLING AND STORAGE

GENERAL INFORMATION	Avoid prolonged skin contact. Wash with soap and water after using.
HANDLING	Do not handle or use near open flames or sources of ignition.
STORAGE	Store in closed container in a cool well ventilated place away from sources of ignition.

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8 EXPOSURE AND PERSONAL PROTECTION

Ingredient (WEL)	LT Exp.(8 hours)	ST Exp. (10 minutes)
Aliphatic Hydrocarbon	1200 mg/m ³	
Orange Terpenes	800 mg/m ³	
Linseed Stand Oil	No exposure limit noted.	
ENGINEERING	No specific ventilation required. Ensure that any plant used in conjunction with this product runs within the product's working temperature range.	
VENTILATION	Adequate natural ventilation will suffice in most instances.	
RESPIRATORY	None required in normal use. Avoid generating mists.	
EYE PROTECTION	None required in normal use. Wear safety glasses where splashing is probable.	
SKIN PROTECTION	None required in normal use. Nitrile gloves are recommended for prolonged use or sensitive individuals.	
HYGIENE	Wash hands after use.	

9 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT	180-239°C (356-462°F) (ASTM 1087)
DENSITY (SG)	0.84 g/cm ³
VAPOUR DENSITY	4.5 @ 80°C (Air=1)
VISCOSITY	Slightly viscous
SOLUBILITY IN WATER	Insoluble
pH VALUE	6.4 ±
FLASH POINT	67°C (152°F) (PMCC)
AUTO IGNITION TEMPERATURE	180°C (356°F) (ASTM E659)
EXPLOSION LIMITS	LeI - 0.6% @ 28°C (82°F) UeI - 6.5% @ 28°C (82°F)
APPEARANCE	Slightly viscous clear straw coloured liquid
ODOUR	Citrus resin

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10 STABILITY AND REACTIVITY

STABILITY	Stabile.
CONDITIONS TO AVOID	Open flames and other sources of ignition.
INCOMPATIBILITY	Avoid contact with strong oxidizing agents and acids.
HAZARDOUS DECOMPOSITION	None expected under normal circumstances. By combustion: as with any organic material, combustion will liberate Carbon Dioxide (CO ²) and possibly Carbon Monoxide (CO).
HAZARDOUS POLYMERIZATION	Does not occur

11 TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY	Skin and/or eye contact.
INGESTION	Non-toxic. (LD50> 17,759 mg/Kg) (22 ml/Kg) Small amounts of vomited liquid ingested or aspirated into lungs may cause bronchopneumonia.
INHALATION	Not relevant at normal room temperatures.
EYE	Non-irritant. (Draize Eye Irritation: Score 0.0)
SKIN	Non-irritant. (Primary Skin Irritation: Index score 0.2) Prolonged skin contact may aggravate dermatitis in sensitive individuals and cause skin dryness or cracking.
CARCINOGENICITY LISTING	NPT - None. IARC - None. OSHA - None. ACGIH - None.

12 ECOLOGICAL INFORMATION

ECOLOGICAL HAZARD	None expected.
BIODEGRADATION (EEC)	Biodegradable. Liquid will evaporate readily.
DEGRADATION	Inherently biodegradable (OECD). No acute toxicity to aquatic organisms is expected.
BIOACCUMULATION	Should not occur.

13 DISPOSAL CONSIDERATIONS

DISPOSAL	Not considered a hazardous waste. This product is classified as Inherently Biodegradable. In its purchased state it may be disposed of as oil waste. Used or contaminated product should be disposed of in accordance with the contaminate.
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14 TRANSPORTATION INFORMATION

GENERAL INFORMATION	This product is not regulated for transport and is not a marine pollutant. Intrastate Ref. 2910-10-90
DOT LABELING	Not applicable.
PROPER SHIPPING NAME	Not applicable.
HAZARD CLASS	Not applicable.
UN No.	Not applicable.

15 REGULATORY INFORMATION

LABEL RISK PHRASES	R-65 Harmful: may cause lung damage if swallowed. R-66 Repeated exposure may cause skin dryness or cracking.
LABEL SAFETY PHRASES	S-62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
CONTAINS	Citrus oil, Gum Damar and Hydrocarbons.
UK REGULATORY REFERENCE	Chemicals (Hazard Information & Packaging for Supply) (CHIPS 3)
APPROVED CODE OF PRACTICE COSHH	Classification and Labelling of Substances and Preparations Dangerous for Supply.

16 OTHER INFORMATION

DATE	1 Jul 2008
SHEET REF. No.	Zest-it Damar Varnish CHIP 3
PRODUCT COVERED BY THE SHEET	All sizes of Zest-it Damar Varnish Concentrate; Picture Varnish and Retouching Varnish
REPLACES SHEET	1 Aug 2002
RISK PHRASES IN FULL	R-10 Flammable R-65 Harmful, may cause lung damage if swallowed. R-66 Repeated exposure may cause skin dryness or cracking.

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