# **MSDS for Light Fast Spirit Based Wood Dyes**

# Issued by Rothko and Frost Ltd

# 1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY/UNDERTAKING

Product Name Light Fast Spirit Based Wood Dye

Intended Use Air drying paint lacquer product for industrial use only. Application by hand, spray or dip.

For professional use only.

Supplier Rothko and Frost Limited – 49 Foes Bridge Road, Forest Vale Industrial Estate, Cinderford, Gloucestershire, GL14 2PQ

Emergency Telephone 01594 823146 (9 – 5 Monday to Friday)

# 2 COMPOSITION/INFORMATION OF INGREDIENTS

A mixture of organic solvents and dyes as required.

Substance Name	EINECS No.	CAS No.	% Conc Range	Hazard Symbols	Risk Phrases
4HYDROXY-4- METHYLPENTAN- 2-ONE	204-626-7	123-42-2	>10% &= <25%	Xi	36
METHANOL	200-6596	67-56-1	>2.5% &= <10%	T,F	23/24/25- 39/23/24/25-11
ETHANOL	200-578-6	64-17-5	>50% &= <100%	F	11

# 3 HAZARDS IDENTIFICATION

Prolonged or repeated exposure to these products may result in a health hazard.

Highly flammable – Irritating to the eyes – Harmful: possible risk of irreversible effects through inhalation, in contact with skin or if swallowed.

## 4 FIRST AID MEASURES

General In all cases of doubt or when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or has stopped administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Eye Contact Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes holding the eyelids apart and seek medical advice.

Skin Contact Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do not use solvents or thinners.

*Ingestion* If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

#### 5 FIRE FIGHTING MEASURES

Extinguishing Media Carbon dioxide, dry powder, halogenated hydrocarbon, sand, foam

Not to be Used Water

Special Instructions For Fire Fighting Personnel fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water supply. Do not allow run off from fire-fighting to enter drains or water courses.

# **6 ACCIDENTAL RELEASE MEASURES**

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in sections 7 & 8. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaccous earth and place in a suitable container for disposal in accordance with the waste regulations (see section 13). Do not allow to enter drains or water courses. Clean preferably with a detergent; avoid use of solvents. If the product enters drains or sewers, immediately contact the local water company in the case of contamination of streams, rivers or lakes the relevant environment agency.

## 7 STORAGE & HANDLING

Vapours are heavier than air and may spread along floors. They may form explosive mixture with air. Prevent the creation of explosive or flammable concentrations of vapour in air and avoid vapour concentrations higher than the occupational Exposure Limit Values. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Keep the container tightly closed. Exclude sources of heat, sparks & open flame. Non sparking tools should be used. Avoid skin and eye contact and the inhalation of vapour and mist. Smoking, eating and drinking should be prohibited in storage and use areas. For occupational Exposure Controls measures, see section 98. Never use pressure to empty: the container is not a pressure vessel. Always keep I containers made of the same material as the supply container. The accumulation of contaminated rags and dry overspray, particularly in spray booth filters, may result in spontaneous combustion. Good housekeeping standards, regular safe removal of waste materials and regular maintenance of spray booth filters will minimise the risks of spontaneous combustion and other fire hazards. The product may chare electrostatically. Always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing. Floors should be electrically conductive.

Store in accordance with the Dangerous Substances and Explosive Atmospheres Regulations 2002. Observe the label precautions. Store between 5 & 25 degrees C in a dry well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store separately from oxidising agents and strongly alkaline and strongly acidic materials. The principles contained in the HSE's guidance notes Chemical Warehousing – Storage of Packaged Dangerous substances and the Storage of Flammable liquids in containers should be observed when storing this product. Up to 50 lts may be kept in the workroom provided they are in a fireproof cupboard or bin. Larger quantities must be kept in a separate storeroom, conforming to the structural requirements of the regulations.

# 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant Occupational Exposure Limit Values, suitable respiratory protective equipment must be worn (See Occupational Exposure Controls below)

Substance Name	Occupational Exposure	Occupational Exposure	Notation
	Limits 8hr LTEL	Limits 15min STEL	
4-HYDROXY-4-	50.00ppm 240.00mg/m3	75.00ppm 360.00mg/m3	OES
METHYLPENTAN-2-			
ONE			
METHANOL	200.00ppm 260.00mg/m3	250.00ppm 310.00mg/m3	Sk OES
ETHANOL	1000.00ppm		OES
	1900.00mg/m3		

Notes

Notations = Sk – risk of absorption through skin

Sen – respiratory sensitizer

Bmgv – Biologoical monitoring may be appropriate (see Biological

Monitoring Guidance Value in EH40 Table 3)

OELs are from EH40 except where markup SUP which are assigned by the supplier of the substance.

General Protection All PPE, including RPE, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

Respiratory Protection Air fed respiratory protective equipment should be work when the product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the OELV ad engineering controls and methods cannot reasonably be improved.

Hand Protection When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information

provided by the glove supplier on use, storage, maintenance and replacement must be followed. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye Protection Eye protection designed to protect against liquid splashes should be worn.

Skin Protection Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap & water or a proprietary skin cleaner.

#### 9 PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE	FLASH POINT	SPECIFIC GRAVITY		
Viscous Liquid	=>0° C & < 21° C Method	.84 gms/cc Method Calculation		
	Equilibrium Method to ISO			
	1516 & ISO 3680			

VAPOUR DENSITY	LOWER EXPLOSION LIMIT	SOLUBILITY IN WATER		
HEAVIER than Air	.8% Vol.	PARTIALLY MISCIBLE		

## 10 STABILITY & REACTIVITY

Stable under the recommended storage & handling conditions (see section 7). In a fire, hazard decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced. Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of an exothermic reaction.

#### 11 TOXICOLOGICAL INFORMATION

There is no data available on the product itself. Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse health effects such as irritation of the mucous membrane and respiratory system and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness. Splashes in the eyes may cause irritation and reversible local damage. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the product may cause removal of natural fats from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Ingestion may result in the following effects: sore throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea. Other effects may be as described for exposure to vapours. This product contains substances with irritant properties. Liquid splashes in the eyes may cause irritant symptoms. Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may lead to severe respiratory difficulties, stimulation of the central nervous system and in extreme cases unconsciousness.

#### 12 ECOLOGICAL INFORMATION

There is no data available on the product itself. The product should not be allowed to enter drains or water courses of be deposited where it can affect ground or surface waters. LAPC/LAPPC/IPPC requirements of regulations made under the Environmental Protection Act/Pollution Prevention and Control Act may apply to this product.

## 13 DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the control of Pollution Act & Environmental Protection Act. Using information provided in this data sheet, advice should be obtained from the relevant environment agency whether the special waste regulations apply.

## 14 TRANSPORT INFORMATION

## Road/rail

UN No. 1263

Packing Group II

Class 3

Designation PAINT

Sea

Packing Group <= 30 lts II

Class 3.2

Marine Pollutant No

UN Number 1263

Ems 3-05

MFAG 310

Main Risk HIGHLY FLAMMABLE

Shipping Name PAINT UN 1263

Air

Packing Grp <=30lts II

Class 3

UN Number 1263

Main Risk HIGHLY FLAMMABLE

Shipping Name PAINT

International Road/Rail

Packing Group II

Class 3

Item Number 5b

UN Number 1263

Main Risk HIGHLY FLAMMABLE

Shipping Name PAINT

# **15 REGULATORY INFORMATION**

This product is classified and labelled for supply in accordance with the Chemicals (Hazard Information & Packaging) Regulations as follows.

# Classification

Xn – Harmful

F – Highly Flammable

# **Contains**

# METHANOL

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11 Highly Flammable

36 Irritating to the eyes

68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact

with skin and if swallowed

# **Safety Phrases**

26 In case of contact with eyes, rinse immediately with plenty of water and

seek medical advice

7/9 Keep container tightly closed and in a well-ventilated place

24/25 Avoid contact with skin and eyes

36/37 Wear suitable protective clothing and gloves

'P' Phrases

Do not breathe Vapour or Spray

Use only in well ventilated areas

## **16 OTHER INFORMATION**

# Text of any Risk Phrases listed in Section 2

11 Highly Flammable

23/24/25 Toxic by inhalation, in contact with skin and if swallowed

36 Irritating to the eyes

39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in

contact with skin and if swallowed

Date of Origination 12/04/96

Date of last revision 16/10/2014

# New issue results from changes in Section(s) 3,8,15

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) Regulations. The product should not be used for purposes other than those shown in sect. 1 without first referring to the supplier and obtaining written instructions. As the specific conditions of use of the product are outside of the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and relevant advice can be found in:-

The Control of Substances Hazardous to Health Regulations 1999. (SI 1999:437) TSO.

COSHH Essentials: Easy steps to control chemicals (HSG 193) HSE Books

The Manual Handling Operations Regulations 1992 (SI 1992:2793) TSO.

Chemical Warehousing: Storage of flammable liquids in Containers (HSG51) HSE Books

Storage of Packaged Dangerous Substances (HSG71) HSE books

The Environmental Protection (Duty of Care) Regs 1992 (SI 1992:2839) TSO

A guide to Working with Solvents (INDG 272) HSE Books

Dangerous Substances and Explosive Atmospheres Regs 2002 (SI 2002:2776) TSO