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Savill Coordinates Limited - PO Box 108 133, Symonds Street Auckland 1150, New Zealand

Material Safety Data Sheet (valid till 3/12/2013)

1. Identification Of The Material & Supplier

Product Name : Fiebing's Leather Dye (all standard colours except white and grey)

Other Names(s) : Leather dye

Chemical Formula : Alcohols NOS (Ethyl Alcohol)

Use or Description : For dyeing Leather, Shoes, Boots, Belts, Handbags, Saddles, Harness and Athletic Equipment

Suppliers Name : **LAPCO (on behalf of FIEBING COMPANY, INC Milwaukee WIS. 53201 U.S.A)**

Street Address : 5 Akiraho Street, Mt Eden, Auckland 1024

Telephone : +64 9 6386820

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Emergency Telephone : National Poisons & Hazardous Chemicals Information Centre : 0800 POISON (0800 764 766)
NZ Emergency Services : Dial 111 (if in doubt)

2. Hazards Identification

Hazard Classification:

- 3.1B - Highly Flammable Liquid and vapour.
- 6.1E - May be harmful if swallowed.
the eye.
- 6.3B - Causes mild skin irritation.
- 6.4A - Causes eye irritation.
- 9.1D - Substance that is harmful to aquatic life.

Hazard statement codes:

- H225 Highly Flammable liquid and vapour..
- H313 May be harmful in contact with skin.
- H319 Causes serious eye irritation.
- H333 May be harmful if inhaled.
- H403 Harmful to aquatic life.

Precautionary statement codes - prevention:

- P102 Keep out of the reach of children.
- P103 Read label before use.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

2. Hazards Identification (Cont.)

P233 Keep container tightly closed

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

Precautionary statement codes - prevention: (CONTINUED)

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

Precautionary statement codes - Response

P101 If medical advice is needed, have product container or label at hand.

P304+P312 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use foam, carbon dioxide or dry chemical.

Precautionary statement codes - Storage:

P403+ P235 Store in a well-ventilated place. Keep cool.

Precautionary statement codes - Disposal:

P501 Disposal of this substance must be in accordance with the Hazardous Substances (Disposal) Regulations 2001 with reference to all Council regulations. This may also include any method of disposal that must be avoided.

3. Composition / Information on Ingredients

Potentially Hazardous Ingredients	% by weight (approx)	TLV mg/m3	STEL mg/m3	(TWA) ppm	Note CAS No.
Diethylene Glycol Monoethyl Ether	>5				111-90-0
Ethanol	>30				64-17-5
Isopropyl Alcohol	>5				67-63-0
Water	>5				7732-18-5
Metal oxide pigments, may include Ferric oxide or zinc oxide or Zinc Ferrite	4				

4. First Aid Measures

Inhalation

Remove affected person from further exposure and keep warm and rested. If not breathing, give artificial Respiration; do not use direct mouth to mouth method if victim ingested or inhaled the substance. Administer Oxygen if breathing is difficult. If unconsciousness occurs seek immediate medical assistance.

Skin Contact

Remove contaminated clothing and wash contact areas with soap and water. Obtain medical assistance if irritation persists. Launder clothing before reuse.

Eye Contact

Flush affected eye thoroughly with water for at least 15 minutes. Obtain immediate medical assistance if irritation persists.

Ingestion

Do not induce vomiting. Give several glasses of water and obtain immediate medical assistance. Never give anything by mouth to an unconscious person

Health Hazard : Information

This chemical is not considered a present health hazard if used properly. Prolonged or repeated skin contact may result in serious skin disorders. This chemical is an eye irritant and exposure to high vapour concentrations may result in respiratory irritation, dizziness, nausea.

5. Fire Fighting Measures

Extinguishing Media to be used

Foam
Carbon Dioxide

Dry Chemical
Alcohol Foam

Water Spray

Special Fire Fighting Procedures

Fire fighters must use recommended protective equipment and self contained breathing apparatus. Cool storage drums with water spray. Vapours form from this product and may settle in low places, travel along the ground, or may move by air currents to be ignited. Product contains alcohol, therefore the flames might be difficult to see because they are virtually colourless.

Unusual Fire and Explosion Hazards

Highly flammable liquid. Vapour Accumulation could flash and/or explode if ignited.

Avoid sources of heat, naked flames or sparks.

Hydrogen peroxide sharply reduces the auto ignition temperature of isopropyl alcohol.

It can become potentially explosive.

It reacts with oxygen to form dangerously unstable peroxides which can concentrate and explode during distillation or evaporation.

6. Accidental Release Measures

Spill and Leak Procedure

Avoid contact with eyes and skin. Ventilate contaminated area.

Remove leaking containers to detached area. Bound spill with inert material (e.g. Sand, Earth Etc.) and absorb spilled product on fire retardant sawdust, diatomaceous earth etc. Transfer remaining product in leaking container to new container and solid absorbent materials to separate container for disposal.

Dispose of waste at an appropriate disposal facility in accordance with local authority.

6. Accidental Release Measures (Cont.)

Note: Prevent contamination of water and soil

Major Spill:

Wear full face piece respirator with organic vapour canister NPF 400. In a confined space, wear self contained breathing apparatus open circuit type NPF 2000.

Eye: Covered by respiratory protection

Skin: Wear PVC, Neoprene/ Nitrile gloves, PVC one-piece hooded suit and knee length rubber safety boots.

7. Handling & Storage

Handling

Use in well ventilated area away from ignition sources. Wear chemical type goggles. Approved respiratory protective equipment must be used.

Storage

Ground and bond all transfer and storage equipment. Use non sparking tools and equipment. Drums must be grounded and bonded and equipment with self-closing valves, pressure vacuum bungs and flame arresters. Outside or detached storage preferred. Store containers in a cool area away from all ignition sources, keeping it out of direct sunlight.

8. Exposure Control / Personal Protection

Recommended Personal Protective Equipment to be worn during use of product:

Protective Overalls
Gloves

Safety Glasses
Vapour Respirator

Face Shield
Boots

9. Physical And Chemical Properties

Appearance and Odour

Various coloured liquid with sweet odour

Density

0.820 - 0.850 at 20°C

Viscosity

NE

Vapour Pressure, mm Hg at 20°C

40 mm Hg

Vapour Density (Air=1)

> 1

Melting Point/Freezing Point

NA

Aniline Point, °C (Mixed)

NA

Refractive Index, @ 20°C

NE

Boiling Range, °C

78 to 100

Flash Point °C Method

16 (TCC)

Evaporation Rate (BuAc=100)

NE

% Volatile Matter (by weight)

NR

Solubility in Water

Soluble

Aromatics, %

NA

Colour

Clear

pH

NA

9. Physical And Chemical Properties (cont.)

Residue On Evaporation, mg/100ml		Auto Ignition Temperature, °C
NE		425
Flammability Limit, %vol	Lower (LEL)	Upper (UEL)
	3.3	19.0

NA = Not Applicable, NE = Not Established,
NR = Not Regulated Against D = Decomposes

10. Stability And Reactivity

Reactivity Data

This chemical is stable under normal conditions.

Incompatible Materials; Nitric acid, Sulphuric acid, Oxidising Agents, Aldehydes, Halogens, Halogen compounds.

Hazardous Decomposition By products

Carbon Monoxide. Carbon Dioxide.

Hazardous Polymerization

Will Not Occur May Occur Other...

11. Toxicological Information

Acute Effects of Overexposure

Ingestion

Swallowing small amounts during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. Swallowing large amounts may cause gastrointestinal tract irritation with nausea, vomiting and diarrhoea, abdominal pain.

Skin Contact

Slight skin irritation, and sensitization. Chapping and cracking.

Inhalation

Breathing in small amounts of IPA during normal handling is not likely to cause harmful effects. However, breathing in large amounts may be harmful and may affect the respiratory system and mucous membranes (irritation), behaviour and brain (Central nervous system depression headaches, drowsiness and dizziness, stupor, unconsciousness, coma and possible death), peripheral nerve and sensation, blood, urinary system, and liver - use in well ventilated area.

Eye Contact

May cause strong irritation, Corneal injury.

Delayed Effects

May be toxic to kidneys, liver, skin and central nervous system

Mutagenic Effects Not reported.

Reproductive Effects Not reported.

Chronic Effects

Prolonged / repeated contact without gloves may cause defatting of skin which may lead to dermatitis.

12. Ecological Information

Ecotoxicity: Fish: rainbow trout: LC50= 12900-15300 mg/L; 96 Hr; Flow-through @24-24.3oC
Fish: Rainbow trout: LC50=11200 mg/L; 24 Hr; Fingerling (Unspecified) Bacteria: Phytobacterium phosphoreum: EC50 = 34900 mg/L; 5-30min; Microtox test When spilled on land it is apt to volatilize, biodegrade, and leach into the ground water, but no data on the rates of these processes could

12. Ecological Information (Cont.)

be found. Its fate in ground water is unknown. When released into water it will volatilize and probably biodegrade. It would be expected to absorb to sediment or bioconcentrate in fish.

Environment: When released to the atmosphere it will photodegrade in hours (polluted urban atmosphere) to an estimated range of 4 to 6 days in less polluted areas. Rain out should be significant.

13. Disposal Considerations

Waste must be disposed of in accordance with council rules and local environmental control regulations.

14. Transport Information

IMCO No.	Class 3 Flammable Liquid
UN No.	1987
HAZCHEM	3[Y]E
D/Goods Class	3.1B
UN Packing Group	II
CAS Numbers	111-90-0, 67-63-0, 64-17-5, 7732-18-5

15. Regulatory Information

NZ Hazardous Substances and New Organisms Act 1996 and associated regulations
Land Transport Rule 45001
IF PRINTED THIS MSDS SHEET IS UNCONTROLLED.

16. Other Information

LAPCO & Savill Coordinates urges each customer or recipient of this MSDS to study it carefully to become aware of and the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS. To promote safe handling, each customer or recipient should:

- (1) notify its employees, agents, contractors and others whom it knows or believes will use this material or the information in this MSDS and any other information regarding hazards of safety;
- (2) furnish this same information to each of its customers for the product; and
- (3) request its customers to notify their employees, customers, and other users of the product of this information.

NOTE: The information and recommendations contained in this data sheet have been compiled from sources believed to be reliable and represent the best current opinion on the subject. No warranty, guarantee or representation is made by the company as to the absolute correctness or sufficiency of any representation contained in this data sheet and the company assumes no responsibility in connection therewith. Nor can it be assumed that all acceptable safety measures are contained in this data sheet or that other additional measures may not be required under particular or exceptional circumstances or conditions.