

# Material Safety Data Sheet

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Tandy Leather Factory Product Stock Number:** 2103-03 Fiebing's Leather Dye Reducer 32oz.

**Product identifier:** Dye Reducer

**Product Use:** Leather Care

**Manufacturer's Name:** Fiebing Company, Inc.

**Street Address:** 516 South Second Street

**City:** Milwaukee **State/Province:** Wisconsin

**Postal Code:** 53204

**Emergency telephone:** 800 424 9300

Effective date: 11.22.2010

Date printed: 11.22.2010

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients (Specific) % CAS# LD50 LC50

Ethanol > 50 64-17-5 7060 mg/kg (rat) 20000 ppm/10 hr (rat)

2-propanol > 9 67-63-0 5045 mg/kg (rat) 16000 ppm/8 hr (rat)

## SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview: Keep away from heat, sparks, and open flame. Harmful if swallowed.

WHMIS Symbols: Not determined

POTENTIAL HEALTH EFFECTS:

Route of Entry: Eye, Skin, Ingestion and Inhalation.

Eye Contact: May cause eye irritation and corneal injury on direct contact.

Skin Contact: May cause slight skin irritation, cracking and chapping on prolonged skin contact.

Ingestion: Likely to cause various stomach disorders such as abdominal pain, nausea, vomiting, diarrhea, drowsiness, cramps, in-coordination, loss of consciousness, difficulty with speech and central nervous system depression.

Inhalation: May cause headache, drowsiness and irritation.

## SECTION 4 – FIRST AID MEASURES

Eye Contact: Flush eyes immediately with large amounts of water for at least 15 minutes. Do not remove contact lenses, if worn. Obtain medical attention immediately, preferably from an ophthalmologist.

Skin Contact: Flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention.

Wash with soap and water.

Ingestion: If swallowed, call a physician immediately. Never give anything by mouth to an unconscious person. If unconscious and vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician immediately.

Notes to Physician: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

## **SECTION 5 – FIRE FIGHTING MEASURES**

FLAMMABLE: Yes

EXTINGUISHING MEDIA: Use foam, Carbon Dioxide, dry chemical or water spray to extinguish fire.

Flash Point: 53 deg.F

Upper Flammable Limit: Not determined

Lower Flammable Limit: Not determined

Method used: Estimated from ingredients.

Autoignition Temperature: Not determined

Explosion data:

Sensitivity to impact: Non-explosive on impact.

Sensitivity to static discharge: Not determined

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide, unidentifiable organic matters.

NFPA: Health: 1

Flammability: 3

Reactivity: 0

FIRE & EXPLOSION HAZARDS: Vapors form from this product and may settle in low places, travel along the ground, or move by air currents to be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges, or other ignition sources at locations distant from handling point. Product contains alcohol; therefore flames might be difficult to see because they are virtually colorless.

FIRE-FIGHTING EQUIPMENT: Use self-contained breathing apparatus. Wear full protective clothing. Use water spray to cool fire-exposed containers and structures.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES:**

LEAK & SPILL PROCEDURES: Contact local authorities. Extinguish and do not turn on any ignition source until area is determined to be free from explosion or fire hazards. Flush small spills with water.

DISPOSAL METHOD: Dispose of in accordance with Federal, State and Local regulations.

## **SECTION 7 – HANDLING AND STORAGE**

HANDLING PROCEDURES AND EQUIPMENT: Keep containers closed. Handle and open containers with care. Do not expose the containers to flame, sparks, static electricity or other sources of ignition. Do not pressurize, cut, weld, braze, solder, drill or grind the containers. Use proper bonding and or grounding procedures. Empty product containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning.

STORAGE REQUIREMENT: Store in a cool, well ventilated place away from incompatible materials.

**SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION**

EXPOSURE LIMITS: OSHA PEL: 1000 ppm for Ethanol

400 ppm for 2-propanol

ACGIH TLV: 1000 ppm for Ethanol

400 ppm for 2-propanol

OTHER: Not established

SPECIFIC ENGINEERING CONTROLS:

Ventilation: General (mechanical) room ventilation to maintain vapor levels below TLV is expected to be satisfactory. Keep this product in closed equipment. Special local ventilation (explosion proof) is needed at points where vapors or mists are expected to escape to the workplace air.

PERSONAL PROTECTIVE EQUIPMENT:

Where engineering, work practices and other means of exposure controls are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

Skin Protection: Wear protective gloves and consult the glove manufacturer for the most appropriate glove material.

Eye Protection: Chemical safety goggles.

Respiratory Protection: Use an appropriate NIOSH/MSHA approved respirator following manufacturer's recommendation.

WORK / HYGIENIC PRACTICES: Handle with due care. Lung deposition of dye is possible in spraying operation. Inflammation of Lungs may result.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid

ODOR & APPEARANCE: Characteristic Alcohol Odor & Clear Liquid

SPECIFIC GRAVITY: 0.810 – 0.817

VAPOR DENSITY: > 1

VAPOR PRESSURE: 43.9 mm/Hg for Ethanol

33.0 mm/Hg for 2-propanol

EVAPORATION RATE: Not determined

BOILING POINT: 172 – 180 deg.F

FREEZING POINT: Not determined

PH: Not determined

COEFFICIENT OF WATER/ Not determined

OIL DISTRIBUTION

SOLUBLILITY IN WATER: Soluble

VISCOCITY: Not determined

TOTAL VOC CONTENT: Not determined

## **SECTION 10 – STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Heat, ignition sources and fire.

INCOMPATIBILITY: Nitric acid, Sulfuric acid, Oxidizing agents, Aldehydes, Halogens, Halogen compounds.

REACTIVITY: None

HAZARDOUS DECOMPOSITION PRODUCTS: On combustion may produce Carbon Dioxide and Carbon Monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

## **SECTION 11 – TOXICOLOGICAL INFORMATION**

EFFECTS OF ACUTE EXPOSURE: See Section 3 for Potential Health Effects.

EFFECTS OF CHRONIC EXPOSURE: No evidence of adverse effects from available information.

Irritancy of product: Minimal

Skin sensitization: No data available

Respiratory sensitization: No data available

Carcinogenicity: This product does not contain greater than 0.01% of the known or potential carcinogens listed in NTP, IARC, or OSHA.

Reproductive toxicity: No data available

Tetragenicity: No data available

Embryotoxicity: No data available

Mutagenicity: No data available

Name of synergetic products/Effect: None available

## **SECTION 12 – ECOLOGICAL INFORMATION**

AQUATIC TOXICITY: No data available

## **SECTION 13 – DISPOSAL CONSIDERATION**

WASTE DISPOSAL: Dispose of in accordance with Federal, State and Local regulations.

## **SECTION 14 – TRANSPORT INFORMATION**

SPECIAL SHIPPING INFORMATION: None PIN: Not available

DOT: UN 1987 Alcohols n.o.s. solution (ethanol/isopropanol), Class 3, Group II (exception 173.150 may apply)

ICAO: Not available

IMDG: Flammable Liquid UN 1987, Class 3, Group II

**SECTION 15 – REGULATORY INFORMATION**

WHMIS CLASSIFICATION: Not determined.

OSHA: See Section 8

TSCA: In compliance

SARA TITLE III CHEMICALS: This product contains the following ingredients subject to the reporting requirements of Section 313 (Title III) of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Component CAS# % by wt

Methyl Isobutyl Ketone 108-10-1 1

HMIS RATING:

Health: 1

Flammability: 3

Reactivity: 0

**SECTION 16 – OTHER INFORMATION**

**SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

**WARNING!** Causes eye irritation and flammable liquid.

Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. Keep away from heat, sparks and flame. Wash thoroughly after handling. Keep containers closed. Avoid prolonged or repeated contact with skin. Store in cool, dry, ventilated area. Normal precautions are common to good manufacturing practice.

Equipment and containers should be bonded and grounded when transferring or using material.

Empty containers should not be exposed to fire, sparks or flame as residual vapors may be explosive.

This chemical is for industrial use only. Separate from oxidizing materials.

Since empty packages retain product residue, follow label warning even after package is emptied.

Use explosion-proof electrical fixtures. Use only non-sparking tools.

**OTHER PRECAUTIONS:** This product can be biodegraded, at low concentrations in water, in a biological wastewater treatment plant. Do not ingest. The Bureau of Alcohol, Tobacco and Firearms (Dept. of the Treasury) regulates the production, procurement, storage and use of Ethyl alcohol products. All uses must comply with these regulations. Contact lenses should not be worn.

**INFORMATION ON INTENDED USE:**

The data in this Material Safety Data Sheet relates only to the specific material designed and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control, it should not be taken as a warranty or representation for which Fiebing Co., Inc. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.