

# Material Safety Data Sheet

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product identifier:** Red Wing Leather Protector  
**Product Use:** Leather Care

Effective date: 5.12.2015  
Date printed: 5.12.2015

**Emergency telephone:** 800 424 9300

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous ingredients (Specific)</u>	<u>%</u>	<u>CAS#</u>	<u>LD50 (Oral)</u>	<u>LC50 (Inhalation)</u>
2-propanol	10 - 12	67-63-0	5045 mg/kg (rat)	1600 ppm/8 hr (rat)
Fluorinated copolymer	1 - 3	proprietary	No data	No data
Deionized water	80 – 90	7732-18-5	No data	No data
Glycol Ether DPM	2-3	34590-94-8	5135 mg/kg (rat)	>500 ppm/7hr (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**

Flash Point: 100 Deg.F

Upper Flammable Limit: Not determined

Lower Flammable Limit: Not determined

Method: Closed cup

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.

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

HMIS:	Health:	1
	Flammability:	2
	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: 400 ppm for 2-propanol, 100 ppm for DPM  
ACGIH TLV: 400 ppm for 2-propanol, 100 ppm for DPM  
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:	0.98 – 0.99
VAPOR DENSITY:	Not determined
VAPOR PRESSURE:	Not determined
EVAPORATION RATE:	Not determined
BOILING POINT:	172 – 180 deg.F (IPA)
FREEZING POINT:	Not determined
PH:	Not determined
COEFFICIENT OF WATER/ OIL DISTRIBUTION	Not determined
SOLUBLILITY IN WATER:	Soluble
VISCOCITY:	Not determined
TOTAL VOC CONTENT:	115 g/L

**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: Moderate

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

DOT: Not regulated – [as per **exception: 49 CFR 173.150 (e)**]

IMDG: UN 1993 Isopropanol Solution, Class 3 PG III [(Limited quantity exemption may apply)]

IATA: UN 1993 Isopropanol Solution, Class 3 PG III [(Limited quantity exemption may apply)]

## SECTION 15 – REGULATORY INFORMATION

WHMIS CLASSIFICATION: Not determined.

OSHA: See Section 8

TSCA: In compliance

SARA 313 TOXIC CHEMICALS:

The following ingredients are SARA 313 "Toxic Chemicals". CAS numbers and weight percent are found in Section 2.

INGREDIENT NAME

Isopropanol

COMMENT

Manufacturing-strong acid process

No supplier notification

Glycol Ether DPM

## SECTION 16 – OTHER INFORMATION

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, assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.