

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: **Horseman's One Step® Spray**
September 21, 2011

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SECTION 4 – FIRST AID MEASURES

INHALATION: Remove affected person to fresh air. Apply artificial respirations if necessary. Get medical attention.

SKIN: Remove contaminated clothing; wash affected area with soap and water; if irritation persists, seek medical attention.

EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: DO NOT induce vomiting unless directed to do so by a physician or poison control center. Get medical attention immediately.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)

NON-FLAMMABLE

FLAMMABLE LIMITS

LEL: UEL

AUTOIGNITION TEMPERATURE:

NFPA CLASS: 30B

GENERAL HAZARDS:

Product is NOT flammable. Contents under pressure. Exposure to temperatures above 120°F may cause container to burst.

EXTINGUISHING MEDIA: Carbon dioxide, water, water fog, dry chemical, chemical foam

FIRE FIGHTING PROCEDURES: Self-contained respiratory equipment; cool containers to prevent pressure buildup and possible explosion when exposed to heat

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Contents under pressure. Closed containers can explode due to buildup of pressure when exposed to heat.

HAZARDOUS COMBUSTION PRODUCTS:

Smoke, fumes or vapors, oxides of carbon.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material then place in a chemical waste container. Dispose of spill material in accordance with local, state or federal regulations.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

CAUTION: Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

STORAGE: Keep out of reach of children. Do not store near heat, sparks or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container. Do not store in direct sunlight. Store in cool, dry, well-ventilated area away from incompatible materials. Store in accordance with **NFPA 30B for Level 1 Aerosols**.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Maintain adequate ventilation.

PERSONAL PROTECTION:

RESPIRATORY PROTECTION: Use respirator only as a last resort to control exposure.

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SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION, continued

PROTECTIVE GLOVES: Wear CHEMICAL RESISTANT GLOVES if repeated skin contact occurs or causes irritation.

EYE PROTECTION: Wear SAFETY GLASSES or GOGGLES to prevent eye contact..

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyewash station nearby.

WORK/HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR

Colorless, clear liquid with a leather odor.

VOC CONTENT

0%

SPECIFIC GRAVITY (WATER =1)

1.10 g/mL

EVAPORATION RATE (WATER =1)

<1.00

SOLUBILITY IN WATER

miscible

pH

5.2

BOILING POINT

>100°F (37.8°C)

VAPOR PRESSURE

N/D

SECTION 10- STABILITY AND REACTIVITY

STABILITY

STABLE: X

CONDITIONS TO AVOID: Heat, sparks, open flames and temperatures above 120°F

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CO, CO₂, and hydrocarbons.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR: X

SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD50 of Ingredient Species and Route	LC50 of Ingredient Species
Aliphatic Ethoxylated Alcohols	78330-20-8		2000 - 5000 mg/ kg Oral – rat >2000 mg/kg Dermal - rabbit	
Tetrasodium EDTA	64-02-8	200-573-9	Not established	Not established
Nitrogen	7727-37-9			

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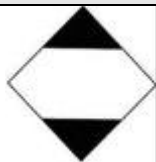
SECTION 12 – ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD or BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD Before offering for recycling, empty the container by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with regulations..

SECTION 14 – TRANSPORT INFORMATION



Ground: Limited Qty

Ocean: 1950 Aerosols, Non-Flammable in Limited Quantities Class 2.2 No PG square-on-point display per 3.4.5.1

Air: ID8000 Consumer Commodity Class 9 No PG

NOTE: Transportation information provided is for reference only. User is urged to consult 49 CFR 100-177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 – REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Substance Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume or Polymer Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories:

Fire hazard, Immediate Health

313 Reportable Ingredients:

None

CERCLA (Comprehensive Response Compensation and Liability Act)

None

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.

CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS classification: B2, D2A, D2B

IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 3.

DSL/NDSL (Canadian Domestic Substances List/Non-Domestic Substance List)

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substance Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European inventory of Existing Commercial Chemical Substances.



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SECTION 15 – REGULATORY INFORMATION, continued

Risk Phrases	SYMBOL(S) REQUIRED FOR LABEL	Safety Phrases

SECTION 16 – OTHER INFORMATION

Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

HMIS HAZARD RATINGS	HEALTH	1	*=Chronic Health Hazard	2=Moderate
	FLAMMABILITY	1	0=Insignificant	3=High
	PHYSICAL HAZARD	0	1= Slight	4=Therapeutic
PERSONAL PROTECTIVE EQUIPMENT	G Safety glasses, Gloves, Vapor Respirator			

REVISION SUMMARY:	MSDS Prepared by: Karen Norkaitis W. F. Young, Inc
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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.