

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

Stain Wash Power

Product Use

Stain remover for textiles

Restrictions on Use

for professional use only.

Details of the supplier of the safety data sheet

Cole & Wilson, LLC

100 Laurel Street, Ste 120

East Bridgewater, MA 02333, USA

Phone: +1 281 231 2805

Website: www.coleandwilson.com

Emergency Phone #: Chemtrec: 1-800-424-9300

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Serious Eye Damage/Eye Irritation - Category 1

GHS Label Elements

Symbol(s)



Signal Word

Danger

Hazard Statement(s)

Causes serious eye damage.

Precautionary Statement(s)

Prevention

Wear eye protection/face protection.

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTER or doctor.

Storage

None needed according to classification criteria.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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CAS	Component Name	Percent
68439-50-9	Alcohols, C12-14, ethoxylated	9
34590-94-8	Dipropylene glycol monomethyl ether	5
Trade Secret	Trisodium citrate dihydrate	1-5
Trade Secret	1,2-Propylene glycol	1-5
68891-38-3	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	4.7
28348-53-0	Sodium cumenesulfonate	1.2
157627-86-6	Alcohols, C13-15, branched and linear, ethoxylated	1
Trade Secret	Amylase, .alpha.-	0.01-0.05
Trade Secret	Subtilisins (proteolytic enzymes)	0.01-0.05

Component Related Regulatory Information

The chemical identity and/or percentage of composition is being withheld as a trade secret.

Section 4 - FIRST AID MEASURES

Inhalation

If adverse effects occur, get immediate medical attention.

Skin

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor/.....

Ingestion

If a large amount is swallowed, get medical attention.

Most Important Symptoms/Effects

Acute

serious eye damage

Delayed

No information on significant adverse effects.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Foam, powder, carbon dioxide, water spray

Unsuitable Extinguishing Media

None known.

Special Hazards Arising from the Chemical

None known.

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Hazardous Combustion Products

smoke, oxides of carbon, nitrogen oxides

Fire Fighting Measures

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Stay away from the ends of tanks. Stay upwind and keep out of low areas.

Special Protective Equipment and Precautions for Firefighters

Wear personal protective clothing and equipment such as self-contained breathing apparatus (SCBA) for protection against possible exposure.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up

Stop leak if possible without personal risk. Shovel material into appropriate container for disposal. Keep unnecessary people away, isolate hazard area and deny entry. Do not flush into sanitary sewer systems, drains or surface water.

Environmental Precautions

Avoid release to the environment.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Do not eat, drink or smoke when using this product. Avoid contact with eyes and skin. Do not breathe dusts or mists. Wash hands thoroughly after handling. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace.

Conditions for Safe Storage, Including any Incompatibilities

Keep away from incompatible materials. Store in a tightly closed container. Store in a cool, dry area. Store between 5 C and 37 C.

Incompatible Materials

None known.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Dipropylene glycol monomethyl ether	34590-94-8
ACGIH:	100 ppm TWA
	150 ppm STEL
	Skin - potential significant contribution to overall exposure by the cutaneous route
NIOSH:	100 ppm TWA ; 600 mg/m ³ TWA
	150 ppm STEL ; 900 mg/m ³ STEL

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	Potential for dermal absorption
	600 ppm IDLH
Europe:	50 ppm TWA ; 308 mg/m3 TWA
	Possibility of significant uptake through the skin
OSHA (US):	100 ppm TWA ; 600 mg/m3 TWA
	prevent or reduce skin absorption
Mexico:	100 ppm TWA LMPE-PPT ; 60 mg/m3 TWA LMPE-PPT
	150 ppm STEL [LMPE-CT] ; 900 mg/m3 STEL [LMPE-CT]
	Skin - potential for cutaneous absorption
Subtilisins (proteolytic enzymes)	Trade Secret
ACGIH:	6E-05 mg/m3 Ceiling as as crystalline active enzyme
NIOSH:	6E-05 mg/m3 STEL 60 min

EU - Occupational Exposure (98/24/EC) - Binding Biological Limit Values and Health Surveillance Measures

There are no biological limit values for any of this product's components.

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Wear safety glasses with side shields. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection

Wear suitable protective clothing. Wear chemical resistant clothing to prevent skin contact.

Respiratory Protection

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid	Physical State	liquid
Odor	None	Color	colourless
Odor Threshold	Not available	pH	7 - 9.5 , conc: 100 %

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Melting Point	Not available	Boiling Point	Not available
Freezing point	Not available	Evaporation Rate	Not available
Boiling Point Range	Not available	Flammability (solid, gas)	Not available
Autoignition	Not available	Flash Point	Not available
Lower Explosive Limit	Not available	Decomposition temperature	Not available
Upper Explosive Limit	Not available	Vapor Pressure	Not available
Vapor Density (air=1)	Not available	Specific Gravity (water=1)	Not available
Water Solubility	100 % (20 °C)	Partition coefficient: n-octanol/water	Not available
Viscosity	Not available	Solubility (Other)	Not available
Density	1.02 - 1.05	Physical Form	liquid
Molecular Weight	Not available		

Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Will not occur.

Conditions to Avoid

Store above 0 C. Avoid exposure to very high temperatures.

Incompatible Materials

Do not mix with other chemicals.

Hazardous decomposition products

smoke, oxides of carbon, nitrogen oxides

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

No information on significant adverse effects.

Skin Contact

No information on significant adverse effects.

Eye Contact

Causes serious eye damage.

Ingestion

No information on significant adverse effects.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Dipropylene glycol monomethyl ether (34590-94-8)

Oral LD50 Rat 5400 µL/kg

Dermal LD50 Rabbit 9500 mg/kg

1,2-Propylene glycol (Trade Secret)

Oral LD50 Rat 20 g/kg

Dermal LD50 Rabbit 20800 mg/kg

Sodium cumenesulfonate (28348-53-0)

Oral LD50 Rat >7000 mg/kg

Amylase, .alpha.- (Trade Secret)

Oral LD50 Rat >7500 mg/kg

Subtilisins (proteolytic enzymes) (Trade Secret)

Oral LD50 Rat 3700 mg/kg

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Immediate Effects

serious eye damage

Delayed Effects

No information on significant adverse effects.

Irritation/Corrosivity Data

No animal testing data available for skin or eyes.

Respiratory Sensitization

No data available.

Dermal Sensitization

No data available.

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA

Germ Cell Mutagenicity

No data available.

Tumorigenic Data

No data available

Reproductive Toxicity

No data available.

Specific Target Organ Toxicity - Single Exposure

No target organs identified.

Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

Aspiration hazard

No data available.

Medical Conditions Aggravated by Exposure

No data available.

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

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Dipropylene glycol monomethyl ether	34590-94-8
Fish:	LC50 96 h Pimephales promelas >10000 mg/L [static]
Invertebrate:	LC50 48 h Daphnia magna 1919 mg/L IUCLID
1,2-Propylene glycol	Trade Secret
Fish:	LC50 96 h Oncorhynchus mykiss 51600 mg/L [static] ; LC50 96 h Oncorhynchus mykiss 41 - 47 mL/L [static] ; LC50 96 h Pimephales promelas 51400 mg/L [static] ; LC50 96 h Pimephales promelas 710 mg/L
Algae:	EC50 96 h Pseudokirchneriella subcapitata 19000 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L [Static] EPA
Sodium cumenesulfonate	28348-53-0
Algae:	EC50 72 h Desmodesmus subspicatus >1000 mg/L IUCLID

Persistence and Degradability

Readily biodegradable.

Bioaccumulative Potential

No information available for the product.

Mobility

No information available for the product.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 - TRANSPORT INFORMATION

US DOT Information:

Additional information: Not regulated as dangerous goods

IMDG Information:

Additional information: Not regulated as dangerous goods

TDG Information:

Additional information: Not regulated as dangerous goods

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

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SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: Yes Chronic Health: No Fire: No Pressure: No Reactivity: No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Dipropylene glycol monomethyl ether	34590-94-8	Yes	Yes	Yes	Yes	Yes
1,2-Propylene glycol	Trade Secret	No	No	Yes	Yes	Yes
Subtilisins (proteolytic enzymes)	Trade Secret	Yes	No	No	No	No

Not listed under California Proposition 65

Component Analysis - Inventory

Alcohols, C12-14, ethoxylated (68439-50-9)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes

Dipropylene glycol monomethyl ether (34590-94-8)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes

Trisodium citrate dihydrate (Trade Secret)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
No	No	No	Yes	Yes	No	No	No	No	Yes	Yes	No	Yes

1,2-Propylene glycol (Trade Secret)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts (68891-38-3)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes

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Sodium cumenesulfonate (28348-53-0)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes

Alcohols, C13-15, branched and linear, ethoxylated (157627-86-6)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	NSL	No	No	No	No	No	No	No	Yes	Yes	No	Yes

Amylase, .alpha.- (Trade Secret)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes	Yes

Subtilisins (proteolytic enzymes) (Trade Secret)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes

Water (7732-18-5)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes	Yes

Section 16 - OTHER INFORMATION

NFPA Ratings

Health: 2 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

SDS update: revision in section 1

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan

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Existing and New Chemical Substance Inventory, EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law, JP - Japan; Kow - Octanol/water partition coefficient; KECI - Korea Existing Chemicals Inventory, KECL - Korea Existing Chemicals List, KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act, TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information

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