

Safety Data Sheet

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Revision Date 24-Feb-2015

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Colorfast Extraction & Upholstery Cleaner
Product code W.20018
Recommended Use Professional Carpet Cleaning

Manufacturer Chemspec
901 North Newkirk Street
Baltimore, MD 21205

Emergency telephone number Chemtrec: 1-800-424-9300 for US
+1 703-527-3887 outside US

2. Hazards identification

ATTENTION

Emergency Overview

COMBUSTIBLE LIQUID AND VAPOR

May be harmful if swallowed, inhaled, or absorbed through skin

May produce an allergic reaction

May cause skin irritation and/or dermatitis

Harmful by inhalation

Harmful in contact with skin

Potential Health Effects

Acute toxicity

Eyes

May cause irritation.

Skin

May cause irritation. May be harmful in contact with skin. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Harmful in contact with skin.

Inhalation

May be harmful if inhaled. May cause irritation of respiratory tract. Harmful by inhalation.

Ingestion

Ingestion may cause irritation to mucous membranes. May be harmful if swallowed. May cause additional effects as listed under "Inhalation".

Chronic Effects

Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.

Aggravated Medical Conditions

Preexisting eye disorders. Skin disorders. Respiratory disorders. Allergies.

Interactions with Other Chemicals

Irritants. Sensitizers. Epoxies.

Environmental hazard

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. See Section 12 for additional Ecological Information.

3. Composition/Information on Ingredients

Component	CAS-No	Weight %
DIPROPYLENE GLYCOL BUTYL ETHER 29911-28-2 (10-30)	29911-28-2	10-30
Alcohols, C6-C12, Ethoxylated, propoxylated	68937-66-6	1-10

68937-66-6 (1-10)		
ISOPROPYL ALCOHOL 67-63-0 (1-10)	67-63-0	1-10
D-limonene 5989-27-5 (0.1-1)	5989-27-5	0.1-1

4. First Aid Measures

General advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin contact	Consult a physician if necessary. Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Wash off immediately with soap and plenty of water. Immediate medical attention is not required. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Consult a physician. Oxygen or artificial respiration if needed. Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.
Ingestion	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician. Rinse mouth. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.
Notes to physician	Treat symptomatically. May cause sensitization of susceptible persons.
Protection of First-aiders	Use personal protective equipment.

5. Fire-Fighting Measures

Flammable Properties	Flammable; may be ignited by heat, sparks or flames. Combustible liquid.
Flash point	136 °F / 58 °C
Suitable extinguishing media	Use: Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol-resistant foam.
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
Specific hazards arising from the chemical	Keep product and empty container away from heat and sources of ignition. Risk of ignition. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing.
Environmental precautions	Do not flush into surface water or sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas. Prevent further leakage or spillage if safe to do so.

Prevent product from entering drains. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Pick up and transfer to properly labeled containers. Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges.

7. Handling and storage

Advice on safe handling

Wear personal protective equipment. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Technical measures/Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

8. Exposure Controls/Personal Protection

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico
ISOPROPYL ALCOHOL 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³	TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³
Component	British Columbia	Alberta	Quebec	Ontario TWAEV
ISOPROPYL ALCOHOL 67-63-0 (1-10)	TWA: 200 ppm STEL: 400 ppm	TWA: 200 ppm TWA: 492 mg/m ³ STEL: 400 ppm STEL: 984 mg/m ³	TWA: 400 ppm TWA: 985 mg/m ³ STEL: 500 ppm STEL: 1230 mg/m ³	TWA: 200 ppm STEL: 400 ppm

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures

Showers
Eyewash stations
Ventilation systems.

Personal Protective Equipment

Hand Protection

Rubber/latex/neoprene or other suitable chemical resistant gloves

Eye/Face Protection

Safety glasses with side-shields.

Skin and body protection

No special protective equipment required.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

9. Physical and chemical properties

Physical state Liquid
Appearance Clear liquid
Odor Ether
Color Colorless

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	2.5	
Boiling point/boiling range		
Flash Point	58 °C / 136 °F	
Evaporation rate	no data available	
Explosion Limits		
upper		
lower		
Vapor pressure	no data available	
Vapor density	No Data Available	
Specific Gravity	No Data Available	
Viscosity, kinematic	No Data Available	
Water solubility	Readily miscible	
Partition coefficient: n-octanol/water	No Data Available	
Explosive properties	no data available	

Other information

Volatile organic compounds (VOC) content 38%
Melting/freezing point

10. Stability and Reactivity

Stability/Reactivity Stable under recommended storage conditions.
Incompatible Materials None known based on information supplied.
Conditions to Avoid Heat, flames and sparks.
Hazardous Decomposition Products None known based on information supplied.
Hazardous Polymerization Hazardous polymerization does not occur.

11. Toxicological information

Acute toxicity

Product Information The product itself has not been tested.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
DIPROPYLENE GLYCOL BUTYL ETHER			42.1 ppm (Rat) 4 h
ISOPROPYL ALCOHOL	1870 mg/kg (Rat)	4059 mg/kg (Rabbit)	72600 mg/m ³ (Rat) 4 h
D-limonene	4400 mg/kg (Rat)	5 g/kg (Rabbit)	

Chronic toxicity

Chronic toxicity Repeated contact may cause allergic reactions in very susceptible persons
Avoid repeated exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

Chemical Name	ACGIH	IARC	NTP	OSHA	Mexico
D-limonene		Group 2A Group 3		X	

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

Target Organ Effects

Eyes Respiratory system Skin

12. Ecological information

Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. .

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms	Toxicity to other organisms
DIPROPYLENE GLYCOL BUTYL ETHER		LC50: 96 h Poecilia reticulata 841 mg/L static			
ISOPROPYL ALCOHOL	EC50: 96 h Desmodesmus subspicatus 1000 mg/L EC50: 72 h Desmodesmus subspicatus 1000 mg/L	LC50: 96 h Pimephales promelas 9640 mg/L flow-through LC50: 96 h Pimephales promelas 11130 mg/L static LC50: 96 h Lepomis macrochirus 1400000 µg/L	EC50: 48 h Daphnia magna 13299 mg/L		
D-limonene		LC50: 96 h Pimephales promelas 0.619 - 0.796 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 35 mg/L			

Persistence and degradability No information available.

Bioaccumulation

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Mobility

No information available.

Chemical Name	log Pow
ISOPROPYL ALCOHOL	0.05

13. Disposal Considerations

Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging

Do not re-use empty containers.

US EPA Waste Number

D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. Transport Information

DOT Not regulated

MEX Not regulated

15. Regulatory information

International Inventories

TSCA Complies
DSL Complies
EINECS/ELINCS -
ENCS -
IECSC -
KECL -
PICCS -
AICS -
NZIoC -

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
 "-" - Unknown. Not listed.

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	Weight %	SARA 313 - Threshold Values %
Trippropylene glycol monomethyl ether	10-30	1.0
ISOPROPYL ALCOHOL	1-10	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level

pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Tripropylene glycol monomethyl ether		X	X	X	
ISOPROPYL ALCOHOL	X	X	X		
D-limonene				X	

International Regulations

Mexico - Grade Moderate risk, Grade 2

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid
D2A Very toxic materials



16. Other information

<u>NFPA</u>	Health Hazard 2	Flammability 2	Stability/Reactivity 0	Physical and chemical hazards -
	<u>HMIS</u>	Health Hazard 2	Flammability 2	Physical Hazard 0

Personal protection - Prepared By Chemspec Regulatory Affairs/Product Safety

Revision Date 24-Feb-2015
Revision Note No information available.

Legend:
NIOSH IDLH: Immediately Dangerous to Life or Health

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet