

Safety Data Sheet



Revision Date 22-Oct-2014
Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Professional Spot Lifter
Product code W.20392
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

Emergency Overview

May cause central nervous system depression
May cause adverse kidney effects

Potential Health Effects

Acute toxicity

Eyes

May cause slight irritation.

Skin

No known effect based on information supplied.

Inhalation

May be harmful if inhaled.

Ingestion

No known effect based on information supplied.

Chronic Effects

May cause adverse liver effects.

Aggravated Medical Conditions

Central nervous system. Preexisting eye disorders. Blood disorders. Kidney disorders. Liver disorders. Skin disorders. Respiratory disorders. Hematopoietic system.

Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

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 % |
|---|-----------|----------|
| ETHANOL, 2-BUTOXY- 111-76-2 (1-10) | 111-76-2 | 1-10 |
| D-limonene 5989-27-5 (1-10) | 5989-27-5 | 1-10 |
| Ethanol 64-17-5 (0.1-1) | 64-17-5 | 0.1-1 |

4. First aid measures

| | |
|---------------------------|---|
| General advice | Show this material safety data sheet to the doctor in attendance. |
| Eye contact | Remove contact lenses. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| Skin contact | Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. |
| Inhalation | Move to fresh air. |
| Ingestion | Gently wipe or rinse the inside of the mouth with water. |
| Notes to physician | Treat symptomatically. |

5. Fire-fighting measures

| | |
|--|--|
| Flammable Properties | Not flammable. |
| Flash point | 110 °F / 43 °C |
| Suitable extinguishing media | Water spray. Foam. Dry powder. |
| Explosion Data | |
| Sensitivity to Mechanical Impact | None. |
| Sensitivity to Static Discharge | None. |
| 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 | Use personal protective equipment. |
| Environmental precautions | No special environmental precautions required. |
| Methods for Containment | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). |

7. Handling and storage

| | |
|--|--|
| Advice on safe handling | Wear personal protective equipment. |
| Technical measures/Storage conditions | Use only in area provided with appropriate exhaust ventilation. Keep tightly closed in a dry and cool place. |

8. Exposure controls/personal protection

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH | Mexico |
|--------------------------------|-------------------------|--|--|--|
| ETHANOL, 2-BUTOXY- 111-76-2 | TWA: 20 ppm | TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S* S* | IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³ | TWA: 26 ppm TWA: 120 mg/m ³ STEL: 75 ppm STEL: 360 mg/m ³ |
| Ethanol 64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³ | IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³ | TWA: 1000 ppm TWA: 1900 mg/m ³ |
| Component | British Columbia | Alberta | Quebec | Ontario TWAEV |

Professional Spot Lifter

| | | | | |
|---|----------------|--|--|----------------|
| ETHANOL, 2-BUTOXY- 111-76-2 (1-10) | TWA: 20 ppm | TWA: 20 ppm TWA: 97 mg/m ³ | TWA: 20 ppm TWA: 97 mg/m ³ | TWA: 20 ppm |
| Ethanol 64-17-5 (0.1-1) | STEL: 1000 ppm | TWA: 1000 ppm TWA: 1880 mg/m ³ | TWA: 1000 ppm TWA: 1880 mg/m ³ | STEL: 1000 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 Skin and body protection.
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.

9. Physical and chemical properties

Physical state Liquid
Appearance Colored liquid
Odor Citrus
Color gold

| <u>Property</u> | <u>Values</u> | <u>Remarks • Methods</u> |
|---|-------------------|--------------------------|
| pH | 8.9 | |
| Boiling point/boiling range | | |
| Flash Point | 43 °C / 110 °F | |
| Evaporation rate | no data available | |
| Explosion Limits | | |
| upper | | |
| lower | | |
| Vapor pressure | no data available | |
| Vapor density | no data available | |
| Specific Gravity | 1.038 | |
| Viscosity, kinematic | no data available | |
| Water solubility | no data available | |
| Partition coefficient: n-octanol/water | no data available | |
| Explosive properties | no data available | |

Other information
Volatile organic compounds (VOC) content 13%
Melting/freezing point

10. Stability and reactivity

Stability/Reactivity Stable under recommended storage conditions.
Incompatible products None known based on information supplied.
Conditions to Avoid Direct sources of heat.
Hazardous Decomposition Products Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

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 |
|--------------------|--------------------|---------------------|------------------------|
| ETHANOL, 2-BUTOXY- | 470 mg/kg (Rat) | 99 mg/kg (Rabbit) | 450 ppm (Rat) 4 h |
| D-limonene | 4400 mg/kg (Rat) | 5 g/kg (Rabbit) | |
| Ethanol | | | 124.7 mg/L (Rat) 4 h |

Chronic toxicity

Chronic toxicity May cause adverse liver effects

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

| Chemical Name | ACGIH | IARC | NTP | OSHA | Mexico |
|--------------------|-------|---------------------|-------|------|--------|
| ETHANOL, 2-BUTOXY- | A3 | Group 3 | | | |
| D-limonene | | Group 2A Group 3 | | X | |
| Ethanol | A3 | Group 1 | Known | X | |

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

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

NTP: (National Toxicity Program)

Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

Target Organ Effects Blood Central nervous system Eyes Hematopoietic System Kidney Liver Respiratory system Skin

12. Ecological information

Ecotoxicity

No information available. 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 |
|--------------------|-------------------|---|---|----------------------------|-----------------------------|
| ETHANOL, 2-BUTOXY- | | LC50: 96 h Lepomis macrochirus 1490 mg/L static LC50: 96 h Lepomis macrochirus 2950 mg/L | EC50: 48 h Daphnia magna 1000 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 | | | |

| | | | | | |
|---------|--|---|---|--|--|
| Ethanol | | LC50: 96 h Oncorhynchus mykiss 12.0 - 16.0 mL/L static LC50: 96 h Pimephales promelas 100 mg/L static LC50: 96 h Pimephales promelas 13400 - 15100 mg/L flow-through | LC50: 48 h Daphnia magna 9268 - 14221 mg/L EC50: 48 h Daphnia magna 2 mg/L Static | | |
|---------|--|---|---|--|--|

Persistence and degradability No information available.

Bioaccumulation .

Mobility No information available.

| Chemical Name | log Pow |
|--------------------|---------|
| ETHANOL, 2-BUTOXY- | 0.81 |
| Ethanol | -0.32 |

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 Empty containers should be taken to an approved waste handling site for recycling or disposal.

US EPA Waste Number D001

14. Transport information

DOT Not regulated

MEX Not regulated

15. Regulatory information

International Inventories

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

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 % |
|--------------------|----------|-------------------------------|
| ETHANOL, 2-BUTOXY- | 1-10 | 1.0 |

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| 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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|---------------|--------------------------|------------------------------------|---|
| 1,4-DIOXANE | 100 lb | | RQ 100 lb final RQ RQ 45.4 kg final RQ |

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

| Chemical Name | California Prop. 65 |
|---------------|-----------------------------|
| Ethanol | Carcinogen Developmental |
| 1,4-DIOXANE | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|---------------------------|---------------|------------|--------------|----------|--------------|
| ETHANOL, 2-BUTOXY- | X | X | X | X | |
| Ethanol | X | X | X | X | |
| Tetrasodium Pyrophosphate | X | X | X | | |
| Sodium sulphate | X | | X | | |
| 1,4-DIOXANE | X | X | X | 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
D2A Very toxic materials
B3 Combustible liquid



16. Other information

| | | | | |
|-------------|------------------------|-----------------------|-------------------------------|--|
| NFPA | Health Hazard 2 | Flammability 2 | Stability/Reactivity 0 | Physical and chemical hazards - |
| HMIS | Health Hazard 2 | Flammability 2 | Physical Hazard 0 | Personal protection - |

Prepared By Chemspec Regulatory Affairs/Product Safety

Revision Date 22-Oct-2014
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