



Issue date 23-May-2023

# Safety Data Sheet

Version 2

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product Identifier

**Product name** CHAMPION'S CHOICE D-LIMONENE DEGREASER  
**Chemical name** 7-8109-1

### Other means of identification

**Product code** FG 438-5350-5  
**Synonyms** Degreaser

### Recommended use of the chemical and restrictions on use

**Recommended Use** Removes grease, tar, oil, grime, adhesives, stickers, gum, printers ink, wet paint, most graffiti, and other oil-based contaminants.

**Uses advised against** Do not use on asphalt tile. Test on small area before using on plexiglass and plastic surfaces.

### Details of the supplier of the safety data sheet

<b>Supplier Address</b>	<b>Manufacturer Address</b>
Chase Products Co.	Chase Products Co.
2727 Gardner Road	2727 Gardner Road
Broadview, IL 60155	Broadview, IL 60155
708-865-1000	708-865-1000

### Emergency Telephone Number

**Company Phone Number** 708-865-1000  
**24 Hour Emergency Phone Number** 1-800-255-3924  
**Emergency telephone** ChemTel 1-800-255-3924

## 2. Hazards Identification

### Classification

Skin corrosion/irritation	Category 2
Skin sensitization	Category 1
Gases Under Pressure	Compressed Gas

### Label Elements

#### EMERGENCY OVERVIEW

#### Warning

#### hazard statements

CAUSES SKIN IRRITATION  
May cause an allergic skin reaction  
Contains gas under pressure; may explode if heated



## FG 438-5350-5 CHAMPION'S CHOICE D-LIMONENE DEGREASER

**Appearance** Hazy liquid

**Physical State** Aerosol

**Odor** Citrus odor

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves, protective clothing, eye protection and face protection.  
Avoid breathing fumes, mist, vapors or spray.  
Contaminated work clothing should not be allowed out of the workplace

### Precautionary Statements - Response

Specific treatment: See additional cautionary statements on this label.  
IF ON SKIN: Wash with plenty of soap and water  
Take off contaminated clothing and wash before reuse  
If skin irritation or rash occurs: Get medical advice/attention

### Precautionary Statements - Storage

Protect from sunlight. Store in a well-ventilated place

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### Hazards not otherwise classified (HNOC)

#### Other Information

- Toxic to aquatic life with long lasting effects
- 11.7% of the mixture consists of ingredient(s) of unknown toxicity

## 3. Composition/information on Ingredients

**Common Name** Spot and stain remover.  
**Synonyms** Degreaser.  
**Chemical Family** MIXTURES.  
**Formula** 7-8109-1  
**Chemical nature** Aqueous solution of surfactants and solvents.

Chemical name	CAS No	weight-%	Trade secret
Water	7732-18-5	75-80	*
ME80	NONE	5-10	WPS1182959
D-Limonene	5989-27-5	5-10	*
2-Butoxyethanol	111-76-2	1-5	*
Nitrogen	7727-37-9	<1	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First aid measures

### FIRST AID MEASURES

**Eye Contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin contact** Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

**Inhalation** If overcome by vapor, move person to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advise.

**Ingestion** Ingestion from an aerosol product is unlikely to occur. If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation. Over inhalation of vapor or mist may cause anesthetic effects, headaches, dizziness and nausea. Chronic: 2-butoxyethanol may cause hemolysis of the blood cells leading to possible liver and kidney damage. D-limonene may cause allergic skin reactions .

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** None needed.

**5. Fire-fighting measures**

**Suitable extinguishing media**

Dry chemical, CO2 or water spray.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

This product is under pressure. Water spray may be used to cool cans in the vicinity of fire or excessive heat to prevent the explosion of the cans.

**Hazardous combustion products** Thermal decomposition may release carbon monoxide and carbon dioxide.

**Explosion data**

**Sensitivity to Mechanical Impact** Contents under pressure, keep away from heat and open flame.

**Sensitivity to Static Discharge** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**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, protective equipment and emergency procedures**

**Personal precautions** Use in a well-ventilated area ONLY. **WHEN USING INDOORS, KEEP WINDOWS AND DOORS OPEN UNTIL FUMES DISSIPATE.**

**For emergency responders** Remove all sources of ignition.

**Environmental precautions**

**Environmental precautions** Contains d-limonene which is consider as marine pollutant by DOT. See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

**Methods for cleaning up** Clean contaminated surface thoroughly.

**7. Handling and Storage**

**Precautions for safe handling**

**Advice on safe handling** Do not deliberately inhale vapor or spray mist. Avoid getting spray into eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in a cool, dry place away from heat and open flame. Keep out of reach of children. **AEROSOL STORAGE LEVEL I (NFPA-30B) .**

**Incompatible Materials** Avoid heat, open flame and contact with strong oxidizers.

**8. Exposure Controls/Personal Protection**

**Control parameters**

**Exposure guidelines** See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
Nitrogen 7727-37-9	: See Appendix F: Minimal Oxygen Content	-	-

**Appropriate engineering controls**

**Engineering controls** Use with adequate general or local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Conventional eyeglasses to guard against splashing.

**Skin and Body Protection** Rubber, vinyl or household type gloves required.

**Respiratory protection** Use in a well-ventilated area ONLY. None required if used in a well-ventilated area. Follow label directions for correct use of the product..

**General hygiene considerations** Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

**9. Physical and Chemical Properties**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Aerosol	<b>Odor</b>	Citrus odor
<b>Appearance</b>	Hazy liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	Hazy		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	10.45	No information available
<b>Melting point/freezing point</b>	Not applicable	No information available
<b>Boiling point/boiling range</b>	Water 212 °F/100 °C	No information available
<b>Flash Point</b>	Not applicable. This is an aerosol product for which Flame Projection is 0 in. with 0 in flashback. This product is similar in composition to another product which was tested for Enclosed Space Ignition Test. Since that product is not a flammable aerosol, as defined on 29CFR 1910.122 appendix B3, this product is also considered as non-flammable.	No information available
<b>Evaporation Rate</b>	Faster than butyl acetate	No information available

<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		No information available
<b>Upper flammability limits</b>	Not available	
<b>Lower Flammability Limit</b>	Not available	
<b>Vapor pressure</b>		No information available
<b>Vapor Density</b>		No information available
<b>Relative Density</b>	0.990 concentrate	No information available
<b>Water solubility</b>		Soluble in water
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition Temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>		No information available
<b>Dynamic viscosity</b>		No information available
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content (%)</b>	10.0%
<b>Density</b>	8.25 lb/gal
<b>Bulk Density</b>	No information available

**10. Stability and Reactivity**

<b><u>Reactivity</u></b>	
Not applicable	Not applicable

**Chemical stability**  
Stable.

**Possibility of hazardous reactions**  
Temperatures above 130 °F may cause cans to burst with force.

**hazardous polymerization**      Hazardous polymerization does not occur.

**Conditions to Avoid**  
Temperatures above 122 °F (50 °C).

**Incompatible Materials**  
Avoid heat, open flame and contact with strong oxidizers.

**Hazardous decomposition products**  
Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**11. Toxicological Information**

**Information on likely routes of exposure**

<b>Product Information</b>	Primary routes of entry: Eye contact, skin contact, inhalation, ingestion (possible, but consider unlikely).
<b>Inhalation</b>	Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.
<b>Eye Contact</b>	Can cause irritation after contact with eyes.
<b>Skin contact</b>	May cause skin irritation after contact with skin. 2-Butoxyethanol penetrates skin readily. D-limonene may cause allergic skin reactions. Frequent or wide spread contact may result

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on skin absorption of potentially harmful amounts.

**Ingestion**

This is an aerosol product, ingestion is unlikely to occur. 2-Butoxyethanol may cause red blood cell hemolysis and possible liver and kidney damage.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
D-Limonene 5989-27-5	= 4400 mg/kg ( Rat ) = 5200 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
2-Butoxyethanol 111-76-2	= 470 mg/kg ( Rat )	= 435 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h = 486 ppm ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms**

Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation**

May cause skin irritation after contact with skin. 2-Butoxyethanol penetrates skin readily. D-limonene may cause allergic skin reactions. Frequent or wide spread contact may result on skin absorption of potentially harmful amounts.

**Serious eye damage/eye irritation  
corrosivity  
sensitization**

Irritating to eyes.  
Not applicable.  
May cause sensitization of susceptible persons.

**Germ cell mutagenicity  
Carcinogenicity**

No information available.  
The table below indicates whether each agency has listed any ingredient as a carcinogen. Exposure to d-limonene has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans.

Chemical name	ACGIH	IARC	NTP	OSHA
D-Limonene 5989-27-5		Group 2A Group 3		X
2-Butoxyethanol 111-76-2	A3	Group 3		

**Reproductive toxicity**

D-limonene has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

**STOT - single exposure  
STOT - repeated exposure  
Aspiration Hazard**

No information available.  
No information available.  
Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 11.7% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document**  
**ATEmix (oral)** 14489 mg/kg  
**ATEmix (dermal)** 25745 mg/kg  
**ATEmix (inhalation-gas)** 30800 mg/l  
**ATEmix (inhalation-dust/mist)** 66 mg/l  
**ATEmix (inhalation-vapor)** 19800 mg/l

**12. Ecological Information**

**ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
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			<b>Microorganisms</b>	
D-Limonene 5989-27-5		0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50		
2-Butoxyethanol 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

<b>Chemical name</b>	<b>Partition coefficient</b>
2-Butoxyethanol 111-76-2	0.81

**Other adverse effects**

No information available

**13. Disposal Considerations**

**Waste treatment methods**

**Disposal of wastes**

Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging**

Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

<b>Chemical name</b>	<b>California Hazardous Waste Status</b>
D-Limonene 5989-27-5	Toxic

**14. Transport Information**

**DOT**

<b>UN/ID no</b>	Limited Quantity
<b>Proper Shipping Name</b>	Consumer Commodity
<b>Hazard Class</b>	NA

**IATA**

<b>UN/ID no</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, non-flammable.
<b>Hazard Class</b>	2.2

**IMDG**

<b>UN/ID no</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, non-flammable
<b>Hazard Class</b>	2.2
<b>Marine pollutant</b>	This product contains a chemical which is listed as a marine pollutant according to DOT

**15. Regulatory information**

**International Inventories**

**TSCA**

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**DSL**

All ingredients are listed or are excluded from listing on the DSL.

**Legend:**

TSCA - *United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL - *Canadian Domestic Substances List/Non-Domestic Substances List*

**US Federal Regulations**

**SARA 313**

This product contains the following toxic chemicals (above the de minimis level) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372. This information must be included in all SDSs that are copied and distributed for this material.

Chemical name	CAS No	weight-%	SARA 313 - Threshold Values %
2-Butoxyethanol - 111-76-2	111-76-2	1-5	1.0

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (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

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
2-Butoxyethanol 111-76-2	X	X	X
Nitrogen 7727-37-9	X	X	X

**U.S. EPA Label information**

EPA Pesticide registration number Not applicable

**16. Other information**



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<b><u>NFPA</u></b>	<b>Health Hazards</b> 2	<b>Flammability</b> 1	<b>Instability</b> 1	<b>Physical and chemical properties</b> Not applicable
<b><u>HMIS</u></b>	<b>Health Hazards</b> 2	<b>Flammability</b> 2	<b>Physical hazards</b> 1	<b>Personal Protection</b> B - Eyes and hands protection

Prepared by Regulatory Department  
Issue date 23-May-2023  
Revision note  
This SDS supersedes a previous SDS dated: 12-Aug-2015

**Disclaimer**

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

**End of Safety Data Sheet**