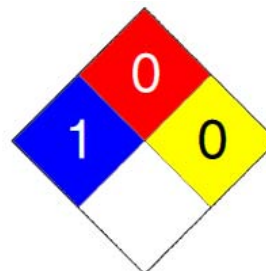


# 1. Product and Company Identification

**Product Name** Centrum Force Uturn Pre-Spray and Odor Treatment  
**CAS #** Mixture  
**Product for Use** Carpet Cleaner  
**Manufacturer** Centrum Force LLC. 3425 Stone School Rd. Ann Arbor MI 48108  
www.centrum-force.com  
Emergency Phone 1-(866)652-8778

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	B



# 2. Hazards Identification

**Emergency Overview** CAUTION  
Eye and skin irritant.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

**Eyes** May cause irritation.

**Skin** May cause irritation.

**Inhalation** May cause respiratory tract irritation.

**Ingestion** May cause stomach distress, nausea or vomiting.

**Target organs** Eyes. Skin.

**Chronic effects** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms** Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

# 3. Composition/Information on Ingredients

<u>Ingredient(s)</u>	<u>CAS #</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>	<u>LC50</u>	<u>Oral LD50</u>
Coconut Oil Fatty Acids	61788-47-4	<5%	Not established	Not Available	>5000 mg/kg
Alcohols C6-12 ethoxylated	68937-66-6	2-5%	Not established	Not Available	>3000mg/kg
Alkyl ether sulfate C12-14,	68891-38-3	.75-4.0%	Not established	Not Available	>2000 mg/kg

# 4. First Aid Measures

**First aid procedures**

**Eye contact** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

**Skin contact** Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

**Inhalation** If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion** Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

**Notes to physician** Symptoms may be delayed.

**General advice**

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

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## 5. Fire-fighting Measures

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<b>Flammable properties</b>	Not flammable by WHMIS criteria
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Use extinguishing media appropriate for surrounding fire.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from The chemical</b>	Not available
<b>Protective equipment for Firefighters</b>	Firefighters should wear protective clothing including self contained breathing Apparatus.
<b>Hazardous combustion products</b>	None
<b>Explosion data</b>	
<b>Sensitivity to mechanical Impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

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## 7. Handling and Storage

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<b>Handling</b>	Use good industrial hygiene practices in handling this material. When using do not eat or drink.
<b>Storage</b>	Keep out of reach of children. Store in a closed container away from incompatible materials.

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## 8. Exposure Controls / Personal Protection

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<b>Exposure limit values</b>	
<b>Ingredient(s)</b>	<b>Exposure limit values</b>
Coconut Oil Fatty Acids	ACGIH-TLV
Alcohols C6-12 ethoxylated	Not established
Alkyl ether sulfate C12-14, sodium salt	
<b>Engineering control</b>	<b>General ventilation normally adequate</b>
<b>Personal protective equipment</b>	
<b>Eye/Face protection</b>	<b>Wear safety glasses with side sheets</b>
<b>Hand protection</b>	<b>Rubber gloves. Confirm with reputable supplier.</b>
<b>Skin and body protection</b>	<b>As required by employer code.</b>
<b>Respiratory protection</b>	<b>Not normally required if good ventilation is maintained and exposure guideline levels are not exceeded. Where exposure guideline levels may be exceeded, Use an approved NIOSH respirator.</b>
<b>General hygiene Considerations</b>	<b>Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks, and immediately after handling the product.</b>

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## 9. Physical and Chemical Properties

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Appearance	Clear
Colour	Light Yellow
Form	Slight odour
Odour threshold	Not Available
Physical state	Liquid
pH	8.6-9.0
Freezing point	Not available
Boiling point	101 C (214 F)
Our point	Not available
Flash point	None
Evaporation rate	<1(BuAc=1)
Flammability limits in air, lower,% By volume	Not applicable
Flammability limits in air, upper,% By volume	Not applicable
Vapour pressure	Not available
Vapour Density	Heavier than air
Specific gravity	1.01 (H2O=1)
Relative Density	8.4 lbs/gal
Octanol/water coefficient	Not available
Solubility (H2O)	Complete
Auto ignition temperature	Not applicable
Viscosity	Slightly viscous

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## 10. Stability and Reactivity

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Chemical stability	Stable
Conditions to avoid	None
Incompatible materials	None known
Hazardous decomposition products	None
Possibility of hazardous reactions	Hazardous polymerization does not occur.

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## 11. Toxicological Information

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Component Analysis Ingredient(s)	LC50	LD50
Coconut Oil Fatty Acids	Not Available	oral rat >5000 mg/kg
Alcohols C6-12 ethoxylated	Not Available	oral rat >3000 mg/kg Dermal rabbit >2000mg/kg
Alkyl ether sulfate C12-14, sodium salt	Not Available	oral rat>2000mg/kg Dermal rabbit>2000 mg/kg
<b>Effects of acute exposure</b>		
Eye	May cause irritation.	
Skin	May cause irritation.	
Inhalation	May cause respiratory tract irritation.	
Ingestion	May cause stomach distress, nausea or vomiting.	
Sensitisation	Non-hazardous by WHMIS criteria.	
Chronic effects	Non-hazardous by WHMIS criteria.	
Carcinogenicity	Non-hazardous by WHMIS criteria.	
Mutagenicity	Non-hazardous by WHMIS criteria.	
Reproductive effects	Non-hazardous by WHMIS criteria.	
Teratogenicity	Non-hazardous by WHMIS criteria.	

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## 12. Ecological Information

**Ecotoxicity** Components of this product have been identified as having potential environmental

### Ecotoxicity– Freshwater Fish

Coconut Oil Fatty Acids	61788-47-4	Not Available
Alcohols C6-12 ethoxylated	68937-66-6	Not Available
Alkyl ether sulfate C12-14, sodium salt	10486-00-7	LC50>10-<=100mg/product/l

### Acute bacterial toxicity

Coconut Oil Fatty Acids	61788-47-4	Not Available
Alcohols C6-12 ethoxylated	68937-66-6	Not Available
Sodium Perborate	10486-00-7	Not Available

**Environmental effects** Not available

**Aquatic toxicity** Not available

**Persistence and degradability** Not available

**Bioaccumulation/accumulation** Not available

**Partition coefficient** Not available

**Mobility in environmental media** Not available

**Chemical fate information** Not available

**Other adverse effects** Not available

## 13. Disposal Considerations

**Waste codes** Not available

**Disposal instructions** Review federal, provincial, and local government requirements prior to disposal.

**Waste from residues / unused products** Not available

**Contaminated packaging** Not available

## 14. Transport Information

### Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

## 15. Regulatory Information

**Canadian federal 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** Class D - Division 2B

**WHMIS status** Controlled

**WHMIS labeling**



### Inventory Status

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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## 16. Other Information

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**Disclaimer:** Information contained herein was obtained from sources considered accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, express or implied is made, and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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