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SAFETY DATA SHEET

Issue Date: 29 February 2016

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: **FRESH-N-UP**

Product Description: **NO VACUUM CARPET FRESHENER**

Other Means of Identification

Product # 117K
Synonyms None

Details of the Supplier of the Safety Data Sheet

Company Name CHEMCO INDUSTRIES, INC.
5731 Manchester Avenue
St. Louis, MO 63110
www.chemcoindustries.com
314-647-1888
1-800-854-4236 (to Reorder)

Emergency Telephone Number

Emergency Telephone INFOTRAC 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification (GHS-US)

Flammable aerosol - Category 1
Acute Toxicity (Inhalation) - Category 4

GHS-US Labeling

Hazard pictograms (GHS-US):



Signal Word (GHS-US): Danger

Hazard Statements (GHS-US):

H222: Extremely flammable aerosol

H332: Harmful if inhaled

Precautionary statements (GHS-US):

P210: Keep away from heat/sparks/open flames/hot surfaces. - No Smoking

P211: Do not spray on open flame or other ignition source.

P251: Pressurized container: Do not pierce or burn, even after use.

P261: Avoid breathing vapors.

P271: Use only outdoors or in a well-ventilated area.

P304+P340: If INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER/doctor if you feel unwell.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 C/122F

P501: Dispose of contents/container to comply with local/regional/national/international regulations.

Other hazards: No additional information available

Unknown acute toxicity (GHS-US): Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Not applicable

Mixture:

Name	CAS No.	%
Other components below reportable Levels	No CAS	80-90
n-Butane	106-97-8	2.5-10
Ethanol	64-17-5	2.5-10
Propane	74-98-6	1.0-2.5

4. FIRST AID MEASURES

Inhalation

Move to fresh air. Get medical advice/attention if you feel unwell or are concerned.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice/attention if you feel unwell or are concerned.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

Ingestion

Rinse mouth with water. Immediately call a Poison Centre or doctor.

First-aid Comments

Get medical advice/attention if you feel unwell or are concerned.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable Extinguishing Media

Special "alcohol resistant fire-fighting foams". Carbon dioxide, dry chemical powder or appropriate foam.

Unsuitable Extinguishing Media

Water is not effective for extinguishing a fire. It may not cool product below its flash point.

Special hazards arising from the substance or mixture:

Extremely flammable aerosol.
Very toxic carbon monoxide, carbon dioxide.

Advice for firefighters:

Special Protective Equipment and Precautions for Fire-fighters

Use extreme caution.
Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Evacuate downwind locations. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental precautions:

It is good practice to prevent releases into the environment.

Methods and material for containment and clean up:

Do not use absorbents. Contain spill using noncombustible material such as vermiculite, earth or sand. Place used absorbent into suitable, covered, labelled containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling:

Prevent skin contact. Avoid repeated or prolonged skin contact. Do not get in eyes. Only use where there is adequate ventilation. Do not spray on an open flame or other ignition source. Do not pierce or burn container, even after use.

Conditions for safe storage, including any incompatibilities:

Store in an area that is: cool, dry, well-ventilated, out of direct sunlight and away from heat and ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Chemical Name	ACGIH TLV		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
n-Butane	1000 ppm		800 ppm			
Ethanol		1000 ppm	1000 ppm			
Propane	1000 ppm		1000 ppm			

Appropriate Engineering Controls

Not normally required if product is used as directed.

Individual Protection Measures

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

General ventilation is usually adequate.

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state	Gas
Appearance	Clear Gas
Odor	Fragrant
Odor threshold	No data available
pH	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	~ 212 F (100 C)
Flash point	-156.0 F (-104.4 C) (estimated)
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas), Explosion limits	9.5% (estimated)(upper); 3.5% (estimated)(lower)
Vapor pressure	184.03 kPa (1380.21 mm Hg) at 68 F (20 C) (estimated)
Relative density	No data available
Relative vapor density at 20 C	No data available
Specific gravity/density	0.943 estimated
Solubility	No data available
Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature	699.8 F(371.0 C) (estimated)
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available

10. STABILITY AND REACTIVITY

Reactivity:

Not reactive under normal conditions of use.

Chemical stability:

Stable under normal conditions.

Possibility of hazardous reactions:

None expected under normal conditions of storage and use.

Conditions to avoid:

No additional information available.

Incompatible materials:

No additional information available.

Hazardous decomposition products:

None known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity: Not classified

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
n-Butane	1237 mg/L (mouse) (2-hour exposure)		
Ethanol	> 115.9 ppm (rat) (4-hour exposure)	7800 mg/kg (rat)	
Propane	658 mg/L (rat) (4-hour exposure)		

Skin corrosion/irritation: There is limited evidence of very mild irritation.

Serious eye damage/irritation: There is limited evidence of serious eye irritation.

Respiratory or skin sensitization: No information was located.

Germ cell mutagenicity: Not known to be a mutagen.

Carcinogenicity: Conclusions cannot be drawn from the limited studies available.

Chemical Name	IARC	ACGIH	NTP	OSHA
Ethanol	Group 1	A3		

Reproductive toxicity: No information was located.

Specific target organ toxicity (single exposure): May be harmful based on limited evidence.

Specific target organ toxicity (repeated exposure): Not classified.

Aspiration hazard: No information was located.

12. ECOLOGICAL INFORMATION

Toxicity:

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Ethanol	> 100.1 mg/L (Pimephales promelas (fathead minnow); 96-hour)	7700-11200 mg/L (Daphnia magna (water flea); 48-hour)		

Persistence and degradability:

No information was located.

Bioaccumulative potential:

No information was located.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Waste disposal recommendations: Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	1950	AEROSOLS (Aerosols, Flammable, (each not exceeding 1 L capacity))	2.1	Not Applicable
Canadian TDG	1950	AEROSOLS (Aerosols, Flammable)	2.1	Not Applicable
Canadian TDG	1950	AEROSOLS (Aerosols, Flammable)	2.1	II

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Other Information:

DOT: This material may ship by passenger plane as: UN1950, Aerosols, 2.1, Limited Quantity. Must have a flammable label and Limited Quantity (Y) label if shipping by air. DOT: This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. IATA: This product meets the exception requirements as a limited quantity and may be shipped as a limited quantity. Follow all rules and regulations to do so.

15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS Classification

B5 - Flammable Aerosol; D2B - Toxic (Eye irritant)

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

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Not listed on the DSL or NDSL.

USA**Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

Additional USA Regulatory Lists

SARA Title III - Section 313: Diethanolamine CAS 111-42-2 0.1 - 1.0% by wt.

Pennsylvania Right To Know. (2-Propanol)

Rhode Island Right To Know. (1,1-Difluoroethane). (2-Propanol)

California Proposition 65: Diethanolamine CAS 111-42-2 0.1 - 1.0% by wt.

SARA Title III - Section 302: Ethylene Oxide (CAS 75-21-8) Reportable Quantity 10 Threshold Planning Quantity 1000lbs

Formaldehyde (CAS 50-00-0) Reportable Quantity 100lbs Threshold Planning Quantity 500lbs

SARA Title III - Section 313: 1,4-Dioxane (CAS 123-91-1) 0.01-0.1 % by weight

Acetaldehyde (CAS 75-07-0) 0.01-0.1 % by weight

Ethylene Oxide (CAS 75-21-8) 0.01-0.1 % by weight

Formaldehyde (CAS 50-00-0) 0.01-0.1 % by weight

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130). (n-Butane). (Propane)

Massachusetts Right To Know. (Propane). (Ethanol). (n-Butane)

New Jersey Right To Know. (n-Butane). (Ethanol). (Propane)

Pennsylvania Right To Know. (Propane). (Ethanol). (n-Butane)

Rhode Island Right To Know. (n-Butane). (Propane)

California Proposition 65: California Proposition 65 - Carcinogenic Substance: Ethylene Oxide (CAS 75-21-8)

Formaldehyde (CAS 50-00-0) 1,4-Dioxane (CAS 123-91-1) Acetaldehyde (CAS 75-07-0)

California Proposition 65 - Developmental Toxin: Ethylene Oxide (CAS 75-21-8)

California Proposition 65 - Female Reproductive Toxin: Ethylene Oxide (CAS 75-21-8)

California Proposition 65 - Male Reproductive Toxin: Ethylene Oxide (CAS 75-21-8).

16. OTHER INFORMATION

Training advice: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendee or users assume all risks associated with the use of this material.