

# (Material) Safety Data Sheet



## Section 1 - Product and Company Identification

**Material Name** - **PAM Canola High Yield CS**  
**Chemical Category** - PREDOMINANTLY TRIGLYCERIDES  
**Product Code** - 6414407263  
**Chemical Category** - Vegetable oils  
**Product Description** - An oil based cooking spray. Clear to light yellow.  
**Product Use** - Cooking Spray. Food Product.  
**Manufacturer** - ConAgra Foods®  
One ConAgra Dr.  
Omaha, NE 68102  
United States  
www.conagrafoods.com

**Telephone**  
**Emergency** - 1-800-424-9300  
**General** - Customer Service

**Preparation Date** - 01/02/2015  
**Last Revision Date** - 01/02/2015

## Section 2 - Hazards Identification

### EMERGENCY OVERVIEW

#### DANGER

**Causes eye irritation. Causes mild skin irritation. Extremely flammable aerosol.**


**Prevention** Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

**Response** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

**Storage/Disposal** Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.



*Use only as directed. Deliberately concentrating and inhaling the contents can be harmful or fatal. For more education about product abuse, contact the Alliance for Consumer Education at [www.consumered.org](http://www.consumered.org). Contents under pressure. Do not expose to temperatures above 120 degrees Fahrenheit. Do not puncture or incinerate can. Keep out of the reach of children. Choking hazard, cap contains small parts.*

**Physical Form** - Aerosol  
**Color** - Clear to light yellow.  
**Odor** - Odorless  
**Flash Point** - -100 F(-73.3333 C)  
**UEL** - 9.5 %  
**LEL** - 1.9 %  
**OSHA** - Flammable Aerosol  
**WHMIS** - Class B - Flammable and Combustible Materials - Division 5  
-   
**EU** - Extremely Flammable - F+

- R12



**GHS**

**Route Of Entry**

**Target Organs**

**Medical Conditions**

**Aggravated by Exposure**

- Flammable Aerosols - Category 1, Skin Corrosion/Irritation - Category 3, Serious Eye Damage, Eye Irritation - Category 2B
- Inhalation, Skin, Eye
- Central Nervous System (CNS), Heart/Cardiovascular System
- None Known,

**NFPA**



**Potential Health Effects**

**Inhalation**

**Acute (Immediate)**

- Possible irritant under conditions of occupational exposure. High concentrations of the propellant may cause a deficiency of oxygen with a risk of unconsciousness as well as central nervous system depression. Symptoms may include dizziness and headache. Cardiac and neurological effects can occur due to acute overdose of this product resulting in impaired memory, slurred speech, seizure, or death from cardiac arrhythmias. NOTE: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

**Chronic (Delayed)**

- Under normal conditions of use, no chronic effects are expected. This product contains propane and butane which are known to cause central nervous system depression and cardiovascular symptoms.

**Skin**

**Acute (Immediate)**

- Possible irritant under conditions of occupational exposure.

**Chronic (Delayed)**

- Under normal conditions of use, no chronic effects are expected.

**Eye**

**Acute (Immediate)**

- Possible irritant under conditions of occupational exposure. If sprayed directly into eye severe irritation may occur.

**Chronic (Delayed)**

- Under normal conditions of use, no chronic effects are expected.

**Ingestion**

**Acute (Immediate)**

- No effects are expected.

**Chronic (Delayed)**

- No effects are expected.

See Section 12 for Ecological Information.

## Section 3 - Composition/Information on Ingredients

**Hazardous Components**

Chemical Name	CAS	%(wt)	UN;EINECS	LD50/LC50	EU R & S Phrases	Other
Liquified petroleum gas blend	68476-86-8	10% TO 18%	UN1075, 270-705-8	NDA	F+; R12 Carc.Cat.1; R45 Muta.Cat.2; R46	NDA

**Non-Hazardous Components**

Chemical Name	CAS	%(wt)	UN;EINECS	LD50/LC50	EU R & S Phrases	Other
Silicon Dioxide	7631-86-9	0-2%	NDA		Eye Irr. Cat. 2, R36; Resp. Irr. Cat 3, R37; Skin Irr. R38	NDA
Canola Oil	120962-03-0	500% TO 75%	NDA	NDA	NDA	NDA

See Section 11 for Toxicological Information.

## Section 4 - First Aid Measures

- |                   |  |
|-------------------|--|
| <b>Inhalation</b> | - If victim is unconscious or intentional abuse of the product is suspected, seek medical attention at once.   |
| <b>Skin</b>       | - If skin irritation occurs: get medical advice/attention.   |
| <b>Eye</b>        | - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| <b>Ingestion</b>  | - Not applicable, product is intended for ingestion.   |

See Section 2 for Potential Health Effects.

## Section 5 - Fire Fighting Measures

- |   |  |
|---|--|
| <b>Extinguishing Media</b>                | - SMALL FIRES: Dry chemical, CO2, water spray or alcohol-resistant foam.<br>LARGE FIRES: Dry chemical, CO2, alcohol-resistant foam or water spray.   |
| <b>Unsuitable Extinguishing Media</b>     | - None known.  |
| <b>Firefighting Procedures</b>            | - Keep unauthorized personnel away.<br>As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.<br>Fire fighters should wear complete protective clothing including self-contained breathing apparatus.<br>FIRE INVOLVING TANKS OR CAR/TRAILER LOADS: For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.<br>FIRE INVOLVING TANKS OR CAR/TRAILER LOADS: Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.<br>FIRE INVOLVING TANKS AND CAR/TRAILER LOADS: ALWAYS stay away from tanks engulfed in fire.<br>LARGE FIRES: Dike fire-control water for later disposal.<br>LARGE FIRES: Move containers from fire area if you can do it without risk. |
| <b>Unusual Fire and Explosion Hazards</b> | - HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.<br>Oily rags may appear to spontaneously combust with very minimal sources of ignition. Thus, caution is required when such rags are stored and even away from any apparent ignition source. Containers generate pressure when heated and could cause bursting and dangerous propelling.   |
| <b>Hazardous Combustion Products</b>      | - Oxides of carbon.  |
| <b>Protection of Firefighters</b>         | - Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.   |
| <b>Flash Point</b>                        | - -100 F(-73.3333 C)   |
| <b>Explosion Limits</b>                   |  |
| <b>Upper</b>                              | - 9.5  |
| <b>Lower</b>                              | - 1.9  |
| <b>NFPA Aerosol Classification</b>        | - Level 3  |

## Section 6 - Accidental Release Measures

- Personal Precautions** - Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas.
- Emergency Procedures** - ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.
- Environmental Precautions** - Prevent entry into waterways, sewers, basements or confined areas.
- Containment/Clean-up Measures** - Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.
- Prohibited Materials** - None known.

## Section 7 - Handling and Storage

- Handling** - Do not use in areas without adequate ventilation. Take precaution to prevent slips and falls in and around areas of repeated use where drift of aerosolized oil may occur. Keep away from heat and sparks. In case of accidental puncturing with forklift, shut off lift and ignition sources and ventilate area.
- Storage** - Store below 120 F. Store in a cool/low-temperature, well-ventilated place away from heat and ignition sources.

## Section 8 - Exposure Controls/Personal Protection

- Personal Protective Equipment**
- Respiratory** - None required for normal handling.
- Eye/Face** - None required for normal handling.
- Hands** - None required for normal handling.
- Skin/Body** - None required for normal handling.
- Additional PPE** - Wear slip resistant shoes where oil mist accumulates.
- Engineering Measures/Controls** - Use adequate ventilation to remove vapors (fumes, dust, etc.). Use local exhaust for small enclosed work areas.

## Section 9 - Physical and Chemical Properties

- Physical Form** - Aerosol
- Appearance/Description** - Clear to light yellow liquid with no odor.

<b>Color:</b> Clear to light yellow.		<b>Odor:</b> Odorless	
<b>Taste:</b> Light oily taste. No data available.		<b>Odor Threshold:</b> NDA	
<b>Boiling Point:</b>	NDA	<b>Vapor Pressure:</b>	3397 mmHg (torr)
<b>Melting Point:</b>	NDA	<b>Vapor Density:</b>	> 1 Air=1
<b>Specific Gravity:</b>	0.823	<b>Evaporation Rate:</b>	> 1 n-Butyl Acetate = 1
<b>Density:</b>	6.8679 lbs/gal	<b>VOC (Wt.):</b>	NDA
<b>Bulk Density:</b>	NDA	<b>VOC (Vol.):</b>	NDA
<b>pH:</b>	NDA	<b>Volatiles (Wt.):</b>	NDA
<b>Water Solubility:</b>	Slightly Soluble	<b>Volatiles (Vol.):</b>	NDA
<b>Solvent Solubility:</b>	NDA	<b>Flash Point:</b>	-100 F(-73.3333 C)

<b>Viscosity:</b>	NDA	<b>Flash Point Test Type:</b>	NDA
<b>Half-Life:</b>	NDA	<b>UEL:</b>	9.5 %
<b>Octanol/Water Partition coefficient:</b>	NDA	<b>LEL:</b>	1.9 %
<b>Coefficient of water/oil distribution:</b>	NDA	<b>Autoignition:</b>	NDA
<b>Bioaccumulation Factor:</b>	NDA	<b>Bioconcentration Factor:</b>	NDA
<b>Biochemical Oxygen Demand BOD/BOD5:</b>	NDA	<b>Chemical Oxygen Demand:</b>	NDA
<b>Persistence:</b>	NDA	<b>Degradation:</b>	NDA

## Section 10 - Stability and Reactivity

<b>Stability</b>	- Stable under normal temperatures and pressures.
<b>Hazardous Polymerization</b>	- Hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	- Store below 120 F.
<b>Incompatible Materials</b>	- Incompatible Materials: Easily oxidizable materials
<b>Hazardous Decomposition Products</b>	- Oxides of carbon.

## Section 11 - Toxicological Information

<b>Material Information</b>	- No data available on the material as a whole.
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Component Name	Concentration	CAS	Data
Liquified petroleum gas blend	10-18%	68476-86-8	LC50 rat Dose: 658 mg/l

## Section 12 - Ecological Information

<b>Ecological Fate</b>	- Product has not been studied as distributed.
<b>Persistence/Degradability</b>	- Product has not been studied as distributed.
<b>Bioaccumulation Potential</b>	- Product has not been studied as distributed.
<b>Mobility in Soil</b>	- Product has not been studied as distributed.

## Section 13 - Disposal Considerations

<b>Product</b>	- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
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## Section 14 - Transportation Information

**DOT - United States - Department of Transportation**  
**Shipping Name:** Aerosols (Contains Isobutane)  
**Hazard Class:** 2.1  
**ID Number:** UN1950

## Section 15 - Regulatory Information

**SARA Hazard Classifications**

- Acute, Fire, Pressure(Sudden Release of)

Inventory				
Component	CAS	Canada DSL	Canada NDSL	TSCA
Liquified petroleum gas blend	68476-86-8	Yes	No	Yes

**Section 16 - Other Information****Last Revision Date**

- 01/02/2015

**Preparation Date**

- 01/02/2015

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