11/9/16

Pam Cooking Spray – Con Agra Foods

(Material) Safety Data Sheet

Material Name ▪ PAM Original

Emergency ▪ 18004249300 CHEMTREC

First Aid Measures

Inhalation ▪ If victim is unconscious or intentional abuse of the product is suspected, seek medical attention at once.

Skin ▪ If skin irritation occurs: get medical advice/attention.

Eye ▪ 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.

Ingestion ▪ Not applicable, product is intended for ingestion.

Manufacturer ▪ ConAgra Foods®

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Emergency ▪ 18004249300 CHEMTREC

General ▪ Customer Service Call your ConAgra Foods' Customer Service Representative

Preparation Date ▪ 8/3/2010

Last Revision Date ▪ 8/3/2010

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. Contents under pressure. Do not expose to temperatures above

120 degrees Farenheit. 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 ▪ Flammable Aerosols Category 1, Skin Corrosion/Irritation Category 3, Serious Eye Damage, Eye Irritation Category 2B

Route Of Entry ▪ Inhalation, Skin, Eye

Target Organs ▪ Central Nervous System (CNS), Heart/Cardiovascular System

Medical Conditions Aggravated by Exposure

- 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.

/p>

See Section 12 for Ecological Information.

Section 3 – Composition/Information on Ingredients

Hazardous Components

Chemical Name CAS %(weight) UN;EINECS LD50/LC50

EU

Classification & R Phrases

Other

Petroleum gas (liquefied)

68476-85-

7 10% TO 18% 270-704-2 NDA

F+; R12

Carc.Cat.1; R45 Muta.Cat.2; R46

NDA

Propane 74-98-6 > 7% UN1978, 200-

827-9

NDA F+; R12 NDA

Propane, 2-

methyl- 75-28-5 > 7%

UN1969, 200- Inhalation-Rat LC50: =57 pph/15 Minute(s) F+; R12 NDA 857-2

Butane 106-97-8 < 1% UN1011, 203-

448-7

Inhalation-Rat LC50: =658 g/m³/4 Hour(s) F+; R12 NDA

Non-HazardousComponents

Chemical Name CAS %(weight) UN;EINECS LD50/LC50 EU Classification

& R Phrases

Other

Canola Oil 120962-03-0 70% TO 85% NDA NDA

Soy Lecithin 8002-43-5 2% TO 8% 232-307-2 NDA NDA NDA

See Section 11 for Toxicological Information.

Section 4 – First Aid Measures

Inhalation ▪ If victim is unconscious or intentional abuse of the product is suspected, seek medical attention at once.

Skin ▪ If skin irritation occurs: get medical advice/attention.

Eye ▪ 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.

Ingestion ▪ Not applicable, product is intended for ingestion.

See Section 2 for Potential Health Effects.

Section 5 – Fire Fighting Measures

▪

Extinguishing Media ▪ SMALL FIRES: Dry chemical, CO2, water spray or alcohol-resistant foam.

LARGE FIRES: Dry chemical, CO2, alcoholresistant foam or water spray.

Unsuitable Extinguishing Media

- None known.

Firefighting Procedures ▪ Keep unauthorized personnel away.

As an immediate precautionary measure, isolate spill or leak area for at least 50

meters (150 feet) in all directions.

Fire fighters should wear complete protective clothing including selfcontained breathing apparatus.

FIRE INVOLVING TANKS OR CAR/TRAILER LOADS: For massive fire, use

Unusual Fire and Explosion Hazards

Hazardous Combustion Products

unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

FIRE INVOLVING TANKS OR CAR/TRAILER LOADS: Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

FIRE INVOLVING TANKS AND CAR/TRAILER LOADS: ALWAYS stay away from

tanks engulfed in fire.

LARGE FIRES: Dike firecontrol water for later disposal.

LARGE FIRES: Move containers from fire area if you can do it without risk.

- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.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.

- Oxides of carbon.

Protection of Firefighters ▪ Wear positive pressure selfcontained breathing apparatus (SCBA) Structural

firefighters' protective clothing will only provide limited protection.

Flash Point ▪ 100 F(73.3333 C)

Explosion Limits

Upper ▪ 9.5

Lower ▪ 1.9

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 noncombustible 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/lowtemperature, wellventilated 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.

Exposure Limits/Guidelines

Result ACGIH Mexico NIOSH OSHA United States – California

PAM Original TWAs

10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA (respirable particles, recommended)

as Particulates not otherwise classified (PNOC)

Not established Not established

15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

as Particulates not otherwise classified (PNOC)

10 mg/m3 PEL (total dust); 5 mg/m3 PEL (respirable fraction)

as Particulates not otherwise classified (PNOC)

Butane

(106-97-8) TWAs 1000 ppm TWA

800 ppm TWA; 1900

mg/m3 TWA

800 ppm TWA; 1900

mg/m3 TWA Not established

800 ppm PEL; 1900

mg/m3 PEL

Propane

(74-98-6) TWAs 1000 ppm TWA Not established

Propane, 2-methyl-

1000 ppm TWA; 1800

mg/m3 TWA

800 ppm TWA; 1900

1000 ppm TWA; 1800

mg/m3 TWA

1000 ppm PEL; 1800

mg/m3 PEL

(75-28-5) TWAs 1000 ppm TWA Not established

1250 ppm STEL; 2250

mg/m3 TWA Not established Not established

Petroleum gas (liquefied)

STELs Not established

mg/m3 STEL Not established Not established Not established

(68476-85-7)

TWAs 1000 ppm TWA 1000 ppm TWA; 1800

mg/m3 TWA

1000 ppm TWA; 1800

mg/m3 TWA

1000 ppm TWA; 1800

mg/m3 TWA

1000 ppm PEL; 1800

mg/m3 PEL

Exposure Limits Supplemental

ACGIH

- Propane, 2-methyl- (75-28-5): TLV Basis – Critical Effects: (cardiac sensitization; CNS impairment)
- Petroleum gas (liquefied) (68476-85-7): TLV Basis – Critical Effects: (cardiac sensitization; CNS impairment)
- Propane (74-98-6): TLV Basis – Critical Effects: (cardiac sensitization; CNS impairment)
- Butane (106-97-8): TLV Basis – Critical Effects: (cardiac sensitization; CNS impairment)

Section 9 – Physical and Chemical Properties

Physical Form ▪ Aerosol

Appearance/Description ▪ Clear to light yellow liquid with no odor.

Color : Clear to light yellow. Odor : Odorless

Taste : Light oily taste. No data available. Odor Threshold : NDA

Boiling Point:	NDA	Vapor Pressure:	3397 mmHg (torr)
Melting Point:	NDA	Vapor Density:	> 1 Air=1
Specific Gravity:	0.823	Evaporation Rate:	> 1 n-Butyl Acetate = 1
Density:	6.8679 lbs/gal	VOC (Wt.):	NDA
Bulk Density:	NDA	VOC (Vol.):	NDA
Water Solubility:	Slightly Soluble	Volatiles (Wt.):	NDA
Solvent Solubility:	NDA	Volatiles (Vol.):	NDA
Viscosity:	NDA	Flash Point:	-100 F(-73.3333 C)
Half-Life:	NDA	Flash Point Test Type:	NDA
Octanol/Water Partition coefficient:	NDA	UEL:	9.5 %
Coefficient of Water:	NDA	LEL:	1.9 %
Bioaccumulation Factor:	NDA	Autoignition:	NDA

pH:	NDA

Section 10 – Stability and Reactivity

Stability ▪ Stable under normal temperatures and pressures. Hazardous Polymerization ▪ Hazardous polymerization will not occur. Conditions to Avoid ▪ Store below 120 F.

Incompatible Materials ▪ Incompatible Materials: Easily oxidizable materials

Hazardous Decomposition Products

- Oxides of carbon.

Section 11 – Toxicological Information

Material Information ▪ No data available on the material as a whole.

Component Name	Concentration	CAS	Data
Soy Lecithin	2% TO 8%	8002-43-5	Acute Toxicity: -orartl LD :>8 mL/kg
Propane, 2-methyl-	> 7%	75-28-5	Acute Toxicity: -rihalt LC50:658000 mg/m3/4H
Butane	< 1%	106-97-8	Acute Toxicity: -rihalt LC50:658 gm/m3/4H

Section 12 – Ecological Information

Ecological Fate ▪ Product has not been studied as distributed.
Persistence/Degradability ▪ Product has not been studied as distributed.
Bioaccumulation Potential ▪ Product has not been studied as distributed.
Mobility in Soil ▪ Product has not been studied as distributed.

Section 13 – Disposal Considerations

Product ▪ Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 – Transportation Information

DOT Special Permit DOT SP 11458. Material is packaged as a consumer product(ORMD).

DOT – United States – Department of Transportation Shipping Name: Consumer commodity

Hazard Class: ORMD

TDG – Canada – Transport of Dangerous Goods Shipping Name: AEROSOLS, flammable

ID Number: UN1950

Hazard Class: 2.1

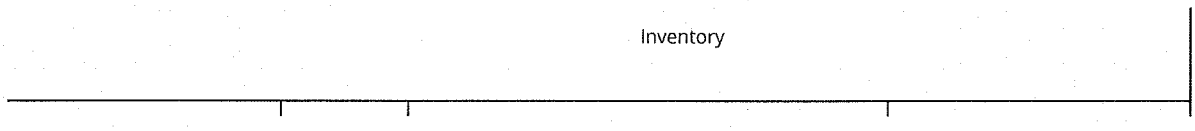
Labeling Class: 2.1

Marine Pollutant: Potential Marine Pollutant

Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index: 75.00

Section 15 – Regulatory Information

SARA Hazard Classifications ▪ Acute, Fire, Pressure(Sudden Release of)



Component	CAS	Canada DSL	Canada NDSL	TSCA
Canola Oil	120962-03-0	Yes	No	Yes
Soy Lecithin	8002-43-5	Yes	No	Yes
Petroleum gas (liquefied)	68476-85-7	Yes	No	Yes
Propane	74-98-6	Yes	No	Yes
Propane, 2-methyl-	75-28-5	Yes	No	Yes
Butane	106-97-8	Yes	No	Yes

Canada Labor

Canada – WHMIS – Classifications of Substances

Propane, 2-methyl- 75-28-5 > 7% A, B1

Petroleum gas(liquefied) 68476-85-7 10% TO 18% A, B1

- Propane 74-98-6 > 7% A, B1
- Butane 106-97-8 < 1% A, B1

Canada – WHMIS – Ingredient Disclosure List

- Butane 106-97-8 < 1% 1 %

Mexico Other

Mexico – Hazard Classifications

Propane, 2-methyl- 75-28-5 > 7% Class = 2.1

- Propane 74-98-6 > 7% Class = 2.1

- Butane 106-97-8 < 1% Class = 2.1

Mexico – Regulated Substances

- Propane, 2-methyl- 75-28-5 > 7% UN1969
- Propane 74-98-6 > 7% UN1978
- Butane 106-97-8 < 1% UN1011

United States Environment

U.S. – CAA (Clean Air Act) – Accidental Release Prevention – Flammable Substances

- Propane, 2-methyl- 75-28-5 > 7% 10000 lbs threshold quantity
- Propane 74-98-6 > 7% 10000 lbs threshold quantity
- Butane 106-97-8 < 1% 10000 lbs threshold quantity

Other

U.S. – FDA – Substances Prohibited from Use in Human Food

None Listed

Section 16 – Other Information

Prepared By ▪ Plagge, Bogen, Mundy

Preparation Date ▪ 8/3/2010

Last Revision Date ▪ 8/3/2010

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